Catalog No. 550

Date 6-1-50



CANADIAN MADE TOOL LINE

AUTOMOTIVE AVIATION REFRIGERATION INDUSTRIAL AGRICULTURAL MARINE

for . . .

GRAY-BONNEY TOOL COMPANY, LIMITED

St. Clarens and Dupont TORONTO - CANADA

Subsidiary of GRAY FORGINGS AND STAMPINGS HIMITED

Statements of Policy

-0-

WARRANTY REPLACEMENTS

All Gray llonney Tools are made from the finest obtainable steels to meet the normal conditions to which the tool will be subjected. Every Gray-Bonney Tool is individually inspected before leaving the factory, and is guaranteed against defects in workman-ship and/or materials. All tools that do not live up to this Guarantee will be replaced or repaired free of charge.

Free replacement cannot be made if inspection shows that tools have been hammered or used with any device for adding any extra leverage — fools have been ground thinner or changed in design — have been used for any purpose other than that for which they have been designed.

Gray Bonney Tools cannot be replaced free of charge that show normal wear and tear — damage from centact with het wires — damage resulting from alterations or tampering — breakage from abuse or overload.

Gray-Bonney Pilers, Punches, Chisels or Screw Drivers cannot be replaced free of charge that show they have been used for other than their intended purpose, or show damage to the teeth or cutting edges resulting from use on hardened materials or tempered steel wire. Chrome plating on Piler cutting edges not guaranteed. Punches and Chisels which have been reground cannot be replaced.

WHOLESALER RETURNS

Name and Address of the Owner, where

Gray Bonney Tools acceptable for return under conditions stated hereunder will be confined to those hand tools listed in this catalog or subsequent issues thereof. Such tools will be of current design, finishes and markings.

Gray Bonney Tools ordered in error are acceptable for return without handling charge if returned to factory within 30 days of original shipping date by way of prepaid transportation.

During each October or Hovember wholesalers may submit written information on tools eligible for return and considered surplus in inventory. Written return authorisation will be forwarded to the wholesaler subject only to prepaid transportation and other conditions stated herein. Valuation of tools for return will not exceed at current factory east any amount greater than ten per cent of purchases from us during the previous tyelve menth period. All returns are to be made during December only and a handling charge of ten per cent will apply. Factory allowance will be in form of back credit to apply against current or future purchases from us.

The Home of GRAY-BONNEY Tool



Gray-Bonney Manufacturing Plants at Toronto and Welland



Gray-Bonney Tools have a wide acceptance among the mechanics in every branch of industry. Every Gray-Bonney Tool is specially designed for a particular application—combines light weight with strength and enables the user to do each job well — quickly — easily.

Made by Canadian Tool Craftsmen with pride in their ability to produce fine hand tools, backed by 37 years of manufacturing experience and proved on the testing ground of time—these tools have earned the reputation "the Finest that money can buy".

GRAY-BONNEY TOOL COMPANY, LIMITED

Subsidiary of GRAY FORGINGS and STAMPINGS LIMITED

TORONTO

CANADA



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GRAY-BONNEY EXTRA SMALL SERIES 1/4" DRIVE SOCKET SETS

These Gray-Bonney 1/4" drive midget sockets and attachments are the ultimate in precision design and manufacture. The new improved small head reversible ratchet, tiny handles and extra thin wall lock-on sockets are produced from the finest alloy steels and all are chrome plated. Created for motor tuneup specialists and those who service starting-nighting-nignition-instruments and radio. They will prove a welcome addition to any tool equipment. Each individual piece available separately from open stock.

No. VS14 Set

Contains 14 Pieces—3/16" to 3/8" Approx. Weight 1-1/4 lbs.



A dandy pocket size kit of sockets and attachments with reversible ratchet for turning small nuts. All pieces are made of the finest alloy steel, fully chrome plated. Packed complete in strong attractively finished metal box measuring 6-3/16" x 2" x 1/2". Contents listed in the table below.

No.	Descripti	on	No.	Description
V6 V7 V8 V9 V10 V11 V12	3/16" S.H. 7/32" " 1/4" " 9/32" " 5/16" D.H. 11/32" " 3/8" "	Socket "" " "	V14 VS8 VS10 VS12 *V25 V26 V27	7/16" D.H. Socket 1/4" D. Sq. " 5/16" " " 3/8" " " Rev. Ratchet 4-3/8" Flex. Handle 5-3/4" Cross Bar 3-1/2"

No. VSI3 Set

Contains 13 Pieces-3/16" to 3/8"

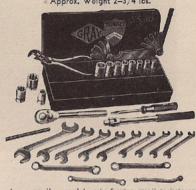
Approx. Weight - 1 lb. 2 oz.

This pocket size set is for those that wish to start with the most essential units and build up to a larger kit. Packed in attractively finished metal box measuring 6-3/16" x 2" x 1/2". Other than being minus the ratchet, the contents of this set are identical to the VS14 listed above.

Other Attachments for Extra Small Series

V18—6" Extension V22—6" Insulated Handle V19—2" Extension *V25—Repair Kit for V25 Ratchet

No. VS30 Set Contains 30 Pieces—3/16" to 1/2" Approx. Weight 2-3/4 lbs.



An unusually complete set of extra small sockets and attachments, plus an assortment of ministure box and open end wrenches, feeler gauge, ignition plier and pocket size serew driver that any mechanic will find useful for electrical, radio and other small work. Packed in attractively finished metal box measuring 8–7/16" x 1° . Included in this set are one each of the following:

No.	Description	No.	Description
V6	3/16" S.H. Socket	E16	Ignition Wrench
V7	7/32" " "	E18	и и
V8	1/4" " "	E20	и и
V9	9/32" " "	E22	и и
V10	5/16" D.H. "	E24	и и
V11	11/32" " "	E26	и и
V12	3/8" " "	E28	и и
V14	7/16" " "	E30	и и
VS8	1/4" D.Sc. "	E40	Ex. Small Box Wrench
VS10	5/16" " "	E42	# # # #
VS12	3/8" " "	E44	
*V25	Rev. Ratchet 4-3/8"	E46	H H W H
V26	Flex Handle 5-3/4"	001	Ignition Screw Driver
V27	Cross Bar 3-1/2"	517	Ignition Plier
E14	Ignition Wrench	K52	Ignit. Feeler Gauge

Ignition Wrench Specifications on Page 21

No. VS24 Set

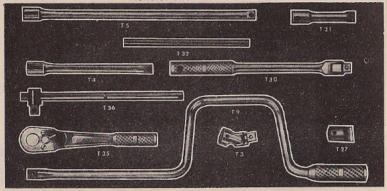
Contains 24 Pieces—3/16" to 1/2" Approx. Weight 2-1/2 lbs.

This is a modified version of the VS30 Set illustrated above. The only difference between them is the VS24 Set does not include a feeler gauge, screw driver or the Midget box wrenches.

GRAY-BONNEY SMALL SERIES 3/8" DRIVE SOCKETS AND ATTACHMENTS

The 3/8" drive sockets and attachments have become a must for all good mechanics' tool kits. The new chrome plated, thin wall alloy steel sockets, extra slim handles and attachments, plus lock-on feature, are designed to allow the modern mechanic to get at the tightest spots on modern motors, aircraft and refrigeration units with ease.

Handles and Attachments



3/8" Drive Small Series Attachments

No.	Description	No.	Description	No.	Description
T30 T32 *T35 T36	9-3/4" Flexible Handle Cross Bar 6-1/2" Reversible Ratchet 7-3/4" Slide T Handle Universal Joint	T9 T27 T1 T31	16-1/4" Speeder Drag Link Socket 1-1/2" Extension 3" "	T5 AT4 AT5 T42	11" Extension 6" Wobble Dr. Extension 12" " " " " 5-1/8" Insulation Handle

^{*} No. T35 Repair Kit for Ratchet No. T35.

3/8" Square Drive Sockets

Open.	Single Hexagon	Open.	Double Hexagon	Open.	Double Square	Open.	Deep Single Hexagon	Open.	Deep Double Hexagon	Open.	Deep Double Square
5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"	TH10 TH12 TH14 TH16 TH18 TH20 TH22 TH24	5/16" 3/8" 7/16" 1/2" 9/16" 19/32" 5/8" 11/16" 3/4" 13/16" 7/8"	T10 T12 T14 T16 T18 T19 T20 T22 T24 T26 T128	1/4" 5/16" 3/8" 7/16" 1/2" 9/16" 5/8"	TS8 TS10 TS12 *TS14 *TS16 *TS18 *TS20	7/16° 1/2" 9/16° 5/8" 11/16" 3/4" 13/16" 7/8"	T140 T160 T180 T200 T220 T240 T260 T280	3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4" 13/16" 7/8"	LT12 LT14 LT16 LT18 LT20 LT22 LT24 LT26 LT28	3/8" 7/16" 1/2" 9/16" 5/8" Dble. Hex. 7/16" 1/2" 9/16" 5/8"	LTS12 LTS14 LTS16 LTS18 LTS20 U. J. Socket TU14 TU16 TU18 TU20

^{*} Semi-deep sockets

No. LT9 Extra Deep Socket Set



Packed in fibre box.

Contains 9 Sockets 3/8" to 7/8"

No. T34 Screw Driver Socket



This handy attachment permits the use of a speeder or ratchet as a serew driver. The tool is 3-1/2" long with a 3/8" wide blade and a 3/64" thick tip. Not guaranteed.

The Finest That Money Can Buy

GRAY-BONNEY SMALL SERIES 3/8" DRIVE SOCKET SETS

TG21 Set

This set has the straight wall sockets with the popular double hexagon openings. It has been designed especially for those who want quality with a minimum investment. Contains 21 pieces each selected for the large number of uses to which it may be put. All pieces are made of high quality alloy steel, chrome plated. Packed complete in attractively finished metal container measuring 17-1/4" x 5" x 1".

The TG21 Set includes one each of the following

Size	No.	Description	Size	No.	Descript	ion
3/8" 7/16" 1/2" 9/16" 19/32" 5/8"	T12 T14 T16 T18 T19 T20	D.H. Socket	11/16* 3/4 1/4* 5/16* 3/8*	T22 T24 TS8 TS10 TS12	D.3.	11

and the following attachments

No.	Description	No.	Description
T3	Universal Joint 3" Extension 6" " 11" " Speeder	T27	Drag Link Socket
T31		T30	Flexible Handle
T4		T32	Cross Bar
T5		T35	Reversible Ratchet
T9		T36	Sliding Tee Handle

TG15 Set

This TG15 Set includes the 8 most popular 3/8" drive Single Hexagon Sockets together with two extensions, Universal Joint, Reversible Ratchet, Sliding "T" Handle, Flexible Handle and Cross Bar. This selection is ideally suited to aviation and light automotive service work. Supplied in metal box.

Content includes one each of the following

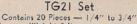
Size	No.	Description	Size	No.	Description
5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"	TH10 TH12 TH14 TH16 TH18 TH20 TH22 TH22 TH24	S.H. Socket		T31 T4 T30 T32 T35 T36 T3	3" Extension 6" " Flex. Handle Cross Bar Rev. Ratchet Sl. "T" Hdle Univ. Joint

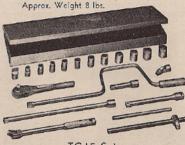
TG12 Set

This inexpensive chrome plated set, packed in a nest metal box, is an ideal beginning towards a complete 3/8" drive socket set. True quality with a minimum investment.

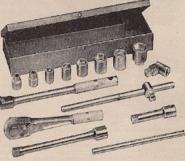
Contents of TG12

Size	No.	Description	Size	No.	Description
3/8" 7/16" 1/2" 9/16" 5/8" 11/16"	T12 T14 T16 T18 T20 T22	D.H. Socket	3/4" 1/4" 5/16" 3/8"	T24 TS8 TS10 TS12 T30 T32	





TG15 Set Contains 15 Pieces — 5/16" to 3/4" Approximate Weight 3¾ lbs.

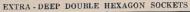


TG12 Set Contains 12 Pieces — 1/4" to 3/4" Approx. Weight 2 lbs,



GRAY-BONNEY EXTRA DEEP SOCKETS 1/2" SQUARE DRIVE SERIES

Gray-Bonney extra-deep sockets find many applications in automotive service work, but are especially suitable for removing and replacing spark plugs. Their overall length, 3-1/4 inches, and the exceptional depth of their openings, give them an advantage over ordinary sockets of similar type. They are made of selected alloy steel, are carefully heat-treated, heavily chrome plated and polished to a high and permanent lustre.



Opening	Socket Number	Length	Opening	Socket Number	Lengtl
1/2" 9/16" 5/8" 11/16" 3/4"	LD16 LD18 LD20 LD22 LD24	3-1/4" 3-1/4" 3-1/4" 3-1/4" 3-1/4"	13/16" 7/8" 15/16" 1" 1-1/16" 1-1/8"	LD26 LD28 -LD30 LD32 LD34 LD36	3-1/4" 3-1/4" 3-1/4" 3-1/4" 3-1/4"

LD5 Spark Plug Set

This five piece extra-deep Socket Set provides for removal and installation of spark plugs in most car, truck and other engines.

One each of the following sockets included:

LD22 (11/16") LD28 (7/8") LD32 (1") LD26 (13/16") LD30 (15/16")

Supplied in metal box as illustrated.



LDIO Extra - Deep Socket Set

This deluxe set of ten extra-deep double hexagon sockets is ideal equipment for all good mechanics. It provides the full size range needed to service all spark plugs and the deep set nuts used on shackle and most other spring bolts. Supplied in a special steel tray as illustrated

Sockets for 10MM Plugs

Make of Plug	Socket	Make of Plug	Socket
AC 108, 106, 104-, 104	LD20	Champion Y8, Y6, Y4A	LD20
AC 103	LD18	Champion Y4, Y5	LD20
AC M8, 103-S	LD22	Auto-Lite P6, P4	LD20

Chart of Spark Plug Sockets for Popular Passenger Cars

Make	1941	1942	1946	1947	1948	1949	Make	1941	1942	1946	1947	1948	1949
Buick Cadillae	*LD26 see 10mm				LD26 see 10mm	LD26 LD26	Meteor Monarch	LD26	LD26	LD26	LD26	LD26	LD26 LD26
Chevrolet Chrysler	LD26 LD26	LD26 LD26	LD26	LD26	LD26	LD26 LD26	Nash Olds.	LD26 LD26	LD26 LD26	LD26 LD26	LD26 LD26	LD26 LD26	LD26 LD26
DeSoto	LD26	LD26	LD26	LD26	LD26	LD26	Packard	see 10mm	see 10mm LD26				
Dodge Ford	LD26	LD26 LD26	LD26 LD26	LD26 LD26	LD26 LD26	LD26 LD26	Plymouth Pontiac	LD26 LD26	LD26	LD26	LD26	LD26	LD26
Hudson	LD26	LD26	LD26	LD26	LD26	LD26	Stu.Cham.	LD26 LD28	LD26 LD26	LD26 LD26	LD26 LD26	LD26 LD26	LD26 LD26
Line.Zeph.	LD26	LD26 LD26	LD26 LD26	LD26 LD26	LD26 LD26	LD26 LD26	Willys	LD26	LD26	LD26	LD26	LD26	LD26

^{*}AC106 10mm Partial Equipment



GRAY-BONNEY 1/2" SQUARE DRIVE SERIES STANDARD AND IMPACT TYPE SOCKETS

Gray-Bonney Standard Series 1/2" Square Drive Sockets are thinner and tougher than ordinary sockets of the same design because each is individually hot forged from the finest electric furnace alloy steel. This ensures accuracy and greater strength. Gray-Bonney sockets are correct in design and size, carefully heat treated for longer wear. They are equipped with the lock-on feature and each is highly polished and heavily chrome plated.

STANDARD TYPE SOCKETS

	Double Hexagon		Double Hexagon Double Square		Single Hexagon	
61						
Opening	Number	Opening	Number	Opening	Number	
3/8" 7/16" 1/2" 9/16" 19/22" 5/8" 21/32" 11/16" 25/32" 18/16" 1/6" 11/16" 1-1/6" 1-1/6" 1-1/6"	1406 1407 1408 1409 1419 1419 1410 1421 1411 1412 1425 1413 1414 1415 1481 1482 1483 1483 1484 1484 1484 1484 1484 1485	3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4" 7/8"	D4065 D4078 D4088 D4098 D4108 D4118 D4128 D4148 D4328	7/16" 1/2" 9/16" 5/8" 11/16" 3/4" 18/16" 7/8"	407 408 409 410 411 412 413 414 415	

FORD CONNECTING ROD SOCKETS





No. 499—A 1/2" Square Drive 9/16" Single Hexagon Socket for use when adjusting Ford V-8 motor connecting rod bearing cap nuts. The nose of this socket is thin to make this adjustment easy.

Not guaranteed.

No. 1421—A 1/2" Square Drive Socket with 21/32" double hexagon opening, used when adjusting Ford Model A motor connecting rod bearing cap nuts.

SINGLE HEXAGON UNIVERSAL JOINT SOCKET

Opening	Number
7/16"	29UJ
1/2"	33UJ
9/16"	37UJ
5/8"	41UJ
11/16"	45UJ
3/4"	49UJ

Drag Link Sockets



Width of Blade	Socket Number	Drive	Application	
15/16"	405	1/2" Sq.	Pass, Cars	
1-1/4"	4002	1/2" Sq.	Trucks	

No. SW15T Set contains fifteen straight wall sockets: 7/16", 1/2", 9/16", 5/8", 21/32", 11/16", 3/4", 25/32", 13/16", 7/8", 15/16", 1", 1-1/16", 1-1/8" and 1-1/4".

Industrial Sockets for use on Impact Wrenches and Power Runners

Single Hexagon 1/2" Square Drive Series

These Industrial 1/2" Square Drive Single Hexagon Sockets are for use with power driven impact wrenches and power nut runners. They are made of select Chrome-Vanadium alloy steel, are heat treated and nickel plated. These Industrial Sockets have additional wall strength needed for maximum life service under extreme operating conditions.

Single Hex Openings

Opening	Number
7/16"	2407
1/2"	2408
9/16"	2409
5/8"	2410
11/16"	2411
3/4"	2412
13/16"	2413
7/8"	2414

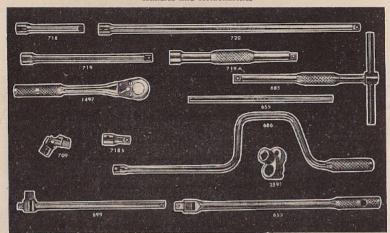




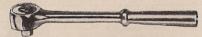
GRAY-BONNEY STANDARD SERIES 1/2" DRIVE ATTACHMENTS AND ADAPTORS

Gray-Bonney handles and attachments are forged slimmer and lighter for your convenience, due to the use of high carbon alloy steel, scientifically heat-treated to assure maximum strength. All Gray-Bonney attachments are highly polished and heavily chrome plated.

Handles and Attachments



	HANDLES AND ATTACHMENTS				ADAPTORS
No.	Description	No.	Description	No.	Openings Female Male
403 603 652 653 653L 655	Connector for 603 Ratchet & Connector 12" Flex. Handle 15" " 18" " Cross Bar	709 718S 718 719A 719 720	5" " " Rev. Grip	4206 4211 4213 4215 4298 4299	14" Sq. & 34" Sq. 34" Sq. & 1" Sq. 1" Sq. & 34" Sq. 34" Sq. & 34" Sq. 14" Sq. & 34" Sq. 34" Sq. & 34" Sq.
685 686 687	12" T, Hdl. Rv. Grp. 19" Speeder Rv. Grip. 1414" " " "	*1497 *4897 2591	10" Reversible Ratchet 10" " " Stud Remvr.(%"-%")	No.	Openings Male Male
699 Irden Ra	11° Slide T. Handle tchet Repair Kits under n	umber annl	ving to ratchet	4202	1/2" Sq. & 3/4" Sq.



No. 4897 Deluxe Model Ratchet

1/2" Square Drive

Length 10"

Weight 1-1/4 Lbs.

Here is the most ultra-modern deluxe free wheeling reversible type ratchet ever offered in the popular half-fixeh square drive series. It was developed to fill mechanics' needs for a close quarter, positive engagement ratchet with minimum drag — a characteristic of free wheeling ratchets. Its internal mechanism is of the cam and dual pinion type operating within a 46 tooth planetary gear. This quiet operating ratchet has tremendous load carrying capacity. It provides the strength of a positive engagement mechanism, but without the drag normally found in this type of tool. It ratchets on every 7% degrees of turning travel. It has a convenient slide type thumb operated reversing mechanism. The new grip was designed for greatest hand comfort. Fully chrome plated and guaranteed.

GRAY-BONNEY MASTER SETS

MS102MSB Set

Contains 102 Pieces

Approx. Weight 100 lbs.

This Master Set MS102MSB contains the finest and most complete set of Gray-Bonney Tools ever assembled in one kit. 102 pieces — including one of almost every description to do practically any job encountered. Complete sets of sockets and attachments, box wrenches, open end wrenches, tappet wrenches, pliers, hammers, punches, chisels and screw drivers — all are included. The complete assortment is packed in a massive three drawer metal chest, attractively finished, which has removable tray, lock hasp and carrying handles. Chest measures 24–1/4" x 12–1/4" x 11–1/8".

NOTE—Tools contained in this set also available in set MS102SB. The SB Cabinet is illustrated on page 57.



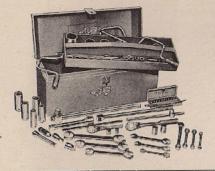
COMPLETE LIST OF CONTENTS LISTED RELOW

Open.	No.	Description	Open.	No.	Description	No.	Description	No.	Description
14. Square Drive (See page 3)			1/2" Square Drive		Engineers Wrenches		Screw Drivers		
		Socket Set	7/16" 1/2" 9/16" 13/16"	D407S D408S D409S 405 LD26	Dble, Sq. Socket Drag Link Deep	1723 1725B 1027 1729 1731B	36" x 16" 36" x 16" 36" x 16" 36" x 36" 36" x 36"	04 06 08 006 501	4" Rd. Shank 6" " 8" " 6" Electricians 1 % "Adjusting
3/8" 7/16" 1/2" 9/16" 5/8"	T12 T14 T16 T18 T20	Dble, Hex. Socket	7/8" 15/16" 1" 1-1/8"	LD28 LD30 LD32 LD36 653	15 Elexible Handle	1033C	opet Wrenches		Pliers
11/16* 3/4*	T22 T24 T31 T4 T5	3 Extension		699 655 687 686	Slide T Handle Cross Bar 14 14 Speeder 19	122 124	2 of 36" x 36" 2 of 36" x 16"	B17 258 513 517 522	6* Diagonal Water Pump 7* Combination Ignition Type Battery
	T9 T35 T36	Speeder Reversible Ratchet Sliding T Handle		718S 718 719A 709 4897	2' Extension 5' " 10' " Universal Joint Reversible Ratchet	2384 2386	34" x %" " " " " " " " " " " " " " " " " "		Hammers
	34 ° Se	pare Drive		1071	Reversible Receives	2387 2388	98, X 38,	212G 212K PH15	I lb. Ball Pein 4 oz. ½ Ib. Soft Fac
7/16" 1/2" 9/16" 19/32"	1407 1408 1409 1419	Dble. Hex. Socket		3/4 - 5	Square Drive		Chisels		ntainer Options
5/8" 21/32" 11/16"	1410 1421 1411	: :	L-1/16" 1-1/8" 1-1/4"	HD34 HD36 HD40	Dble, Hex. Socket	C2 C3 C4	Flat 36' x 535' 96' x 6' 94' x 635'	Suff	reference above.
3/4" 25/32" 13/16" 7/8"	1412 1425 1413 1414		1-3/8" 1-7/16" 1-1/2" 1-5/8"	HD44 HD46 HD48 HD52		Punches		container selected. L.E. AISI02 SB (Set in SB Box)	
15/16" 31/32" 1"	1415 1431 1432	: :		86 88S 88	Slide T Handle	C22 C28 C30		MS102	in MSB Chest) MSBC (Set in Che C Roller Cabinet.)

GRAY-BONNEY COMBINATION SETS

MS79 Combination Set

Contains 79 Pieces—3/16" to 1-5/8"
Approx. Weight 60 lbs.



Grav-Bonney MS79 Set is ideal for the millwright or plant engineer who requires a general purpose wrench set. Tools supplied are identical with sockets and attachments plus open and box end wrenches supplied in set No. MS102 illustrated on page 9. Content includes 3/8" square drive double hexagon sockets and attachments, 1/2" square drive double hexagon, extra deep double hexagon, and double square sockets and attachments, 3/4" square drive double hexagon sockets and attachments, miniature 1/4" square drive sockets and attachments, open end and double hexagon box wrenches. These Chrome-Vanadium alloy steel tools supplied in a strong metal box with removable tray as illustrated. Size of box 21" L x 7-1/2" H x 8-1/8" W.

CS48 Combination Set

Contains 48 Pieces—3/8" to 1-5/8" Approx. Weight 50 lbs.



This CS48 Combination Set was created for the service man who does all types of general repairs on cars, trucks and tractors. It contains a good range of 3/4" square drive double hexagon sockets and attachments including a deluxe heavy duty reversible type ratchet in addition to entire content of SW35 1/2" square drive socket set listed on page 11. This set is recommended to millwrights, construction and plant engineers. Supplied in strong metal box as illustrated.

The CS48 Set includes the following

STATE AND THE	A THE PARTY OF THE		THE RESERVE TO SERVE THE PARTY OF THE PARTY	100	
Open	No.	Description	Qpen	No.	Description
3/8"	1406	D.H. Socket	15/16"	1415	D.H. Socket
7/16"	1407 1408	a 11	31/32"	1431	
9/16" 9/32"	1409 1419		1-1/16"	1433 1434	u u
5/8"	1410	и и	1-3/16"	1435	4 4
21/32" 11/16"	1421	a a	3/8"	1436 D406S	D.S. Socket
3/4"	1412	4 4	7/16"	D407S D408S	4 4 4
25/32" 13/16"	1425 1413	# 4	9/16"	D409S	a a
7/8"	1414	4 4	5/8"	D410S	W 41

3/4" Square Drive Sockets and Attachments

Open.	No.	Description	Open.	No.	Description
1" 1-1/16" 1-1/8" 1-1/4" 1-3/8" 1-7/16"	HD32 HD34 HD36 HD40 HD44 HD46	D.H. Socket " " " " " " " " "	1-1/2° 1-5/8°	HD48 HD52 86 88 87 4285	D.H. Socket 17-1/2" S.T. Hdle 8" Extension 15-1/2" " Rev. Ratchet

1/2" Square Drive Attachments

No.	Description	No.	Description
685	Tee Handle 14-1/2* Speeder 19* " Cross Bar Universal Joint 2* Extension	718	5" Extension
687		719	10" " Handle
686		653	15" Flex. Handle
655		699	11" Sl. "T" Handle
709		4897	10" Rev. Ratchet
7188		2591	Stud Remover

GRAY-BONNEY COMBINATION AND STANDARD SERIES 1/2" SQUARE DRIVE STRAIGHT WALL SOCKET SETS

Here is a set for the mechanic starting out, containing an assortment of 44 pieces including $1/2^{\prime\prime}$ square drive sockets, handles and attachments, pliers, screwdrivers and other miscellaneous tools for which the greatest everyday need will be found. It is inexpensive, yet every piece is of the highest quality. The contents were carefully selected to enable the handling of the greatest variety of repair jobs with the minimum number of tools. The large roomy box measures $21''\times 7''\times 6''$ and has ample room for the addition of more tools from time to time. It is equipped with a carrying handle, and a padlock hasp.

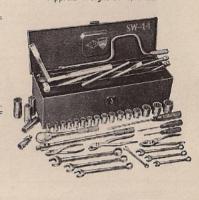
The SW44 Set includes one each of the following

Size	No.	Description	Size	No.	Description	
7/16"	1407	D.H. Sock.	7/8"	1414	D.H. Sock.	
1/2"	1408	4 11	15/16"	1415	и и	
9/16"	1409	и и	1"	1432		
19/32"	1419	и и	1- 1/16"	1433	u u	
5/8"	1410		1- 1/8"	1434		
21/32"	1421	16 11	1-1/4"	1436	W W	
11/16"	1411	4 4	13/16"	LD26	Deep Sock.	
3/4"	1412	4 4	7/8"	LD28	и и	
25/32*	1425	4 4	15/16"	LD30	a a	
13/16"	1413	4 4	1"	LD32	4 4	

	No.	Description	No.	De	escriptio	n
We	003	3" Screwdriver	686	19" Spee	der	
	04	4" "	709	Universa		
	08	8" "	718	5" Exte		
	C3	Chisel	719	10"		
	C5	Chisel	4897		ve Rev	. Ratchet
	B17	Diagonal Plier	3114			Wrench
	C23	Punch	3116	1/2"		K
	212G	Ball Pein Hammer	3118	9/16"	- 44	4
	513	Combination Plier	3120	5/8"	- 16	н
	522	Battery Plier	3122	11/16"	66	#
	653	15" Flexible Handle	3124	3/4"	4	и
	655	Cross Bar	3128	7/8"	м	#

SW44 Apprentice Combination Set

Contains 44 Pieces—7/16" to 1-1/4" Approx. Weight 37-1/4 lbs.



This 35 piece socket set is an ideal selection for the mechanic that does general repair work. It is a tool kit any man will be glad to own. It includes all the popular regular design double hexagon and double square straight wall sockets, with a worthwhile assortment of the popular attachments. All pieces are made of the finest alloy steel, heavily chrome plated and will retain their original finish indefinitely. The complete set is packed in a sturdy metal case with carrying handle and padlock hasp. Case measures $21'' \times 7'' \times 6''$.

The SW35 Set includes one each of the following

Size	No.	Description	Size	No.	Description
3/8*	1406	D.H. Sock.	15/16"	1415	D.H. Sock.
7/16"	1407	a a	31/32"	1431	# #
1/2"	1408	a a	1"	1432	4 4
9/16"	1409	u u	1- 1/16"	1433	16 41
19/32"	1419	4 4	1- 1/8"	1434	44 44
5/8"	1410	41 41	1- 3/16"	1435	H 6
21/32"	1421		1- 1/4"	1436	
11/16"	1411	и и	3/8"	D4068	D.Sq. Sock
3/4"	1412	4 4	7/16*	D407S	# 0
25/32"	1425	11 11	1/2"	D408S	и и
13/16"	1413	4 4	9/16"	D4098	a a
7/8"	1414		5/8"	D410S	u u

No.	Description	No.	Description	No.	Description
687 686	Tee Handle 14-1/2" Spdr. 19" " Cross Bar	709 718S 718 719	Univ. Joint 2" Extension 5" " 10" "	653 699 4897	15" Flex. Handle 11" S.T. Handle 10" Deluxe Ratchet

SW 35 Set

Contains 35 Pieces—3/8" to 1-1/4"
Approx. Weight 31 lbs.

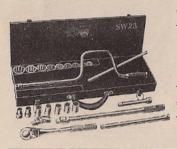


GRAY-BONNEY STANDARD SERIES 1/2" SQUARE DRIVE STRAIGHT WALL SOCKET SETS

SW23 Set

Contains 23 Pieces-7/16" to 1-1/4", Approx. Weight 15-3/4 lbs.

This SW23 set has straight wall sockets with the popular double hexagon openings. It contains sockets with openings that find the most general use plus an excellent assortment of handles and attachments. Each piece is made from carefully selected alloy steel, scientifically heat treated and heavily chrome plated. The substantial metal box has a carrying handle and measures $20-1/4^n \ge 6-1/2^n \ge 1-1/4^n$.



Contents of SW23

			1 64	
Size	No.	Sockers	Size	No.
7/16"	1407	one each	25/32"	1425
1/2"	1408		13/16"	1413
9/16"	1409	a a	7/8"	1414
19/32"	1419		15/16"	1415
5/8"	1410		1"	1432
21/32"	1421	- 4	1- 1/16"	1433
11/16"	1411	4	1-1/8"	1434
3/4"	1412	- 4	1- 1/4"	1436

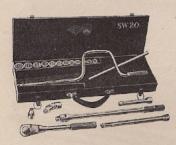
No.	Description .	No.	Description
653 655 686 700	15" Flexible Handle Cross Bar 19" Speeder Universal Joint	718 719 4897	5" Extension 10" Extension 10" Deluxe Reversible Ratchet

SW20 Set

Contains 20 Pieces-7/16" to 1". Approx. Weight 14 lbs.

This SW20 set has thirteen straight wall double hexagon sockets and an assertment of the most desirable attachments. Packed in attractive metal case measuring 20-1/4" x 6-1/2" x 1-11/16". All pieces are of high quality alloy steel heavily chrome plated. It makes an ideal set for use either in the shop or on the job.





Size	No.	Sockets	Size	No.			
7/16"	1407	one each	3/4" 13/16"	1412 1413			
9/16"	1408 1409	i i	25/32°	1425			
19/32"	1419 1410		7/8" 15/16"	1414 1415			
21/32"	1421	# #	1"	1432			

No.	Description
653	15" Flexible Handle
655	Cross Bar
686	19" Speeder
709	Universal Joint
718	5" Extension
719	10" Extension
4897	10" Deluxe Reversible Ratchet

GRAY-BONNEY STANDARD SERIES 1/2" SQUARE DRIVE STRAIGHT WALL SOCKET SETS

This SW18 set has ten popular size regular straight wall states and three of the extra deep sockets, all with double hexagon openings. It also includes a high quality deluxe reversible ratchet and other attachments as listed below. These tools are supplied in a sturdy metal case large enough to accommodate additional tools. The case complete with handle and lock hasp measures 21'x 7"x 6°.

The SW18 Set includes one each of the following

Open	No.	Description	n Open	No.	Description
7/16"	1407	D.H. Sock		1412	D.H. Socket
9/16"	1408 1409	и а	13/16" 7/8 "	1413	
19/32" 5/8 "	1419	4 . A	13/16"	LD26 LD28	Ex. Dp. Sock.
21/32" 11/16"	1421 1411	4 4	15/16"	LD30	* " "

Plus one each of the following

No.	Description	No.	Description
686 699 4897	19" Speeder 11" Slide T Handle Deluxe Reversible Ratchet	718 719	5" Extension 10"

This SW15 is an inexpensive set for the beginner or the man who wishes to do his own repairs. The set contains the same high quality straight wall sockets, handles and deluxe ratchet as the larger sets. It is packed in an attractive metal box which has ample room for additional tools.

The SW15 Set includes one each of the following

Open.	No.	Descripti	ion	Open.	No.	Descr	iption
7/16"	1407	D.H. Soci	ket	21/32"	1421	D.H.	Socket
1/2 "	1408	#	#	11/16"	1411	и	41
9/16"	1409		14	3/4 "	1412	н	#
19/32"	1419	4 3	4	13/16"	1413	44	H
5/8°	1410	4 .	4	7/8"	1414	#	- 64

Plus one each of the following Handles and attachments

No.	Description	No.	Description
686 699 4897	19" Speeder 11" Slide T Handle Deluxe Reversible Ratchet	718 719	5" Extension 10" "

This SW14 Nut Spinner Set contains twelve thin straight wall sockets, and a 15" flexible handle and cross bar. It is an ideal set for the service station or service man doing light repairs. All pieces are made of the finest quality alloy steel and are finished in chromium. This set comes in a metal box.

The following Sockets and Handles are included.

Open.	No.	Description	Open.	No.	Description
7/16"	1407 1408	D.H. Socket	11/16"	1411 1412	D.H. Socker
9/16"	1409	4 4	13/16"	1413	" "
19/32"	1419	0 6	7/8"	1414	# #
5/8"	1410	4 4	15/16"	1415	
21/32"	1421	u «	1"	1432	

Plus No. 653 15" Flexible Handle and No. 655 Cross Bar.

SW18 Set

Contains 18 Pieces—7/16" to 7/8"
Approx. Weight 19-3/4 lbs.



SW15 Set

Contains 15 Pieces—7/16" to 7/8" Approx. Weight 12-1/2 lbs.



SW14 Nut Spinner Set Contains 14 Pieces—7/16" to 1"

Approx. Weight 5-3/4 lbs.



GRAY-BONNEY SPECIAL SOCKET SET AND TORQUE WRENCHES

HY10 Set
Contains 10 Pieces
Hydraulic Transmission Set
Approx. Weight 4% lbs.



The HY10 Set is for servicing oil change work on Hydra-matic and Dynaflow transmissions. Supplied in metal box as illustrated.

CONTENT OF HY10 SET

No.	Description	Use
T128	7/16" D.H. Socket	Hydramatic Oil Pan Plug
TH18	9/16" S.H. Socket	Flywheel Cover Bolts
TH16	1/2" S.H. Socket	Flywheel Cover Bolts
TH14	7/16" S.H. Socket	Hydramatic fluid plug
TS9	9/32" S.S. Socket	Dynaflow Torque Con- verter drain plugs
T4 ·	6" Extension	Wrench extension
T35	3/8" DR. Ratchet	For above wrenches
W6	3/16" H.S.wrench	Hydramatic old type fluid cplg drain plugs
04	4" Screw Driver	To rotate flywheels
2895A	15/16" x 1" Box	Wrench for dynaflow trans, oil pan plug

Torque Wrenches

1/2 Inch Square Drive Tapered Beam Type

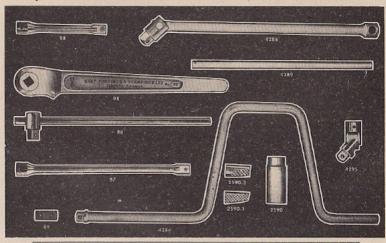


Gray-Bonney tapered beam Torque Wrenches are available in three sizes each of a different torque capacity. This size range will service the majority of cars, trucks, tractors, aircraft and marine engines. They are long and thin for access to the tight spots. Each size has a double scale which can be read from almost any angle or position.

Model Model Model Model "N-50 50 Ft. Lbs." "No. 100 100 Ft. Lbs." "N150 150 Ft. Lbs."

These permanently accurate torque wrenches are produced in large volume and priced to permit every service man to own at least one of the three sizes. They are almost indestructable and not affected by dirt, mud or grease. There are no glass dials or delicate fragile mechanisms—can be carried in the regular tool box with other tools. The built in accuracy of these torque wrenches remains consistent over the range and life of the tool. Engineered for heavy service to meet the need for torque wrenches, compact in size, light in weight, and sufficiently sturdy for the most extreme field service. Note—Other capacities available, information on request.

GRAY-BONNEY HEAVY DUTY SERIES 3/4" SQUARE DRIVE SOCKET ATTACHMENTS



No.	Description	No.	Description
86	17-1/2" Slide T. Hdle. 4" Forged Extension 8" Forged Extension 15-1/2" Forged Extension Ratchet Flug Connector 19" Ratchet Bar Type Stud Remover with Wedges (9/16" to 1")	2590-1	Lt. Wedge for 2590
88S		2590-2	Heavy Wedge for 2590
88		4284	Speeder
87		*4285	20" Reversible Ratchet
89		4288	22" Flex, Handle
*98		4289	Cross Bar
2590		4295	Univ. Joint

Order Ratchet Repair Kits under Number Applying to Ratchets

3/4" HEAVY DUTY SOCKETS

	"Double He	xagon"		"Double S	quare"
Opening	Number	Description	Opening	Number	Description
7/8"	HD28	D. H. Socket	Opening	rumber	Description
15/16"	HD30	D. H. Socket	7/8*	S4228	D. Sq. Socket
31/32"	HD31	4 4	1"	S4232	a di
01/02	HD32	и и	1-1/16"	S4234	4 4
-1/16"	HD34	4 4	1-1/4"	S4240	41 44
			1-7/16"	S4246	41 46
-1/8"	HD36		1-1/10	34240	A Company of the Comp
-3/16"	HD38				
-1/4"	HD40			"Single He	xagon"
-5/16"	HD42				
-3/8"	HD44		2-1/16"	4266	S. Hex. Socket
-7/16"	HD46		2-1/8"	4268	4 4
-1/2"	HD48		2-1/4"	4272	
-9/16"	HD50	- a - a	2 1/1	1012	
-5/8"	HD52	W 41	1100	. D Cl.	1. 77 11
-11/16"	HD54	a #	Extr	a Deep Sing	gle Hexagon''
-3/4"	HD56	K H			
-13/16"	HD58	a a	1"	LH32	S.H. Deep Socket
-7/8"	HD60	α π	1-1/16"	LH34	a " "
	HD64		1-1/8"	LH36	a a a
-3/16*	HD70		1-1/4"	LH40	8K 1K 0K



Heavy Duty Socket Double Hex.

GRAY-BONNEY HEAVY DUTY SERIES 3/4" SQUARE DRIVE SOCKET SETS

HD25 Set

Contains 25 Pieces 7/8" to 2-3/16"

Approximate Weight 41-1/2 lbs.



This is an extremely fine heavy duty socket wrench set. It contains a complete range of the heavy duty alloy steel forged sockets with double hexagon openings in sizes from 7/8" to 2-3/16", a super heavy reversible ratchet and the other heavy duty attachments as listed below. This is a deluxe set built for hard usage. All pieces are chrome plated and contained in a strong metal box. Set includes one each of:

Open.	No.	Description	Open.	No.	Description
7/8"	HD28	H.D. Sock.	1- 1/2"	HD48	H.D. Sock.
15/16"	HD30 HD32	4 4	1- 9/16"	HD50 HD52	
11/16"	HD34	0 4	1-11/16"	HD54	ir a
1- 1/8"	HD36	0 8	1-3/4"	HD56 HD58	" "
1- 3/16" 1- 1/4"	HD38 HD40		1-13/16"	HD60	и и
1-5/16"	HD42		2"	HD64	6 6
1- 3/8"	HD44	6 6	2- 3/16"	HD70	6 4
1- 7/16"	HD46	4: 41	2 0/10		

plus the following attachments:

No.	Description	No.	Description
86	17-1/2" Slide T Handle	88S	4" Extension
87	15-1/2" Extension	4285	Reversible Ratchet
88	8" "	4288	22" Flex. Handle

HD21 Set

Contains 21 Pieces—7/8" to 2"

Approx. Weight 33-1/2 lbs.



This heavy duty set contains a broad range of the heavy duty alloy steel sockets, including sizes from 7/8" to 2". It was designed to handle the heavy work on busses, trucks, tractors and all types of heavy industrial machinery. It is packed in a strong metal box and contains one each of the following:

Open.	No.	Description	Open.	No.	Desci	iption
7/8"	HD28	H.D. Sock.	1-3/8"	HD44	H.D.	Suck.
15/16"	HD30	6 6	1- 7/16"	HD46	44	44
1"	HD32	E E	1- 1/2"	HD48	- 6	46
1- 1/16"	HD34		1- 5/8"	HD52	44	41
1- 1/8"	HD36	a 11	1- 3/4"	HD56	41	- 14
1- 3/16"	HD38	6 8	1-13/16"	HD58	#	#
1- 1/4"	HD40		1- 7/8"	HD60	- 67	- 16
1- 5/16"	HD42		2"	HD64	- 41	#

and following attachments:

No.	Description	No.	Description
86 88 88S	17-1/2" Slide T Handle 8" Extension 4"	87 4285	15-1/2" Extension Reversible Ratchet

GRAY-BONNEY HEAVY DUTY SERIES 3/4" SQUARE DRIVE SOCKET SETS

The HD15 Set consists of fifteen well selected pieces chosen to provide a wide range in heavy duty types and sizes with a minimum investment. Supplied in strong metal box.

Content includes

Open	No.	Description	Open	No.	Description
7/8" 1" 1-1/16" 1-1/8" 1-1/4"	HD28 HD32 HD34 HD36 HD38	H.D. Socket	1-3/8" 1-7/16" 1-1/2" 1-5/8" 1-3/4"	HD44 HD46 HD48 HD52 HD56	H.D. Socket

and following attachments

No.	Description	No.	Description
	17-1/2" Slide T handle 15-1/2" Extension 8" Extension	98 89	19" Ratchet Ratchet Connector

The HD13 Set is the same as No. HD11 with the addition of a No. 98 Ratchet and the No. 89 Connector. Supplied in metal box shown with HD11 below.

HDI5 Set

Contains 15 Pieces—7/8" to 1-3/4" Approx. Weight — 241/2 lbs.



HD13 Set

Contains 13 Pieces—1" to 1-5/8" Approx. Weight 23¾ lbs.

This set is especially valuable for the user who requires heavy duty tools at a minimum investment. It can be built up into the big HD21 set as the same box is used for both sets. It contains one each of the following:

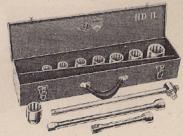
Open.	No.	Description	Open.	No.	Description
1" 115" 118" 114"	HD32 HD34 HD36 HD40	D.H. Socket	13/8" 11/6" 11/2" 158"	HD44 HD46 HD48 HD52	D.H. Socket

and following attachments

No.	Description	No.	Description
86 88	1714" Slide T Handle 8" Extension	87	151/2" Extension

HDII Set

Contains II Pieces—I" to 1-5/8" Approx. Weight 18-3/4 lbs.



GRAY-BONNEY EXTRA HEAVY DUTY SERIES 1" SQUARE DRIVE SET AND SOCKETS

Extra Heavy-Duty Hexagon Sockets

Chromium Plated

		Regula	r Series	Heavy Series	Light Series	C
No.	Opening	Bolt Size	Nut Size	Bolt & Nut Size	Nut Size	Cap Screw
X46 X48	1-7/16" 1-1/2"	1"	1.	7/8"	1"	1-1/8"
X52 X58 X60	1-5/8" 1-13/16" 1-7/8"	i-i/4"	1-1/4"	1" 1-1/8"	1-1/8" 1-1/4"	
X64 X70	2 2-3/16"			1-1/4" 1-3/8"	1-3/8" 1-1/2"	
X72 X74 X76	2-1/4" 2-5/16" 2-3/8"	1-1/2"	1-1/2"	1-1/2"		
X78 X80 X82	2-7/16" 2-1/2" 2-9/16"	1-5/8"	1-5/8"	1-5/8"		
X84 X88	2-5/8" 2-3/4"	1-3/4"	1-3/4"	1-3/4"		
X94 X96 X100	2-15/16" 3" 3-1/8"	2"	2*	1-7/8"		

Extra Heavy-Duty Handles and Attachments

No.	Description	No.	Description
X29 X30 X31	Extension, 8-1/2" long Extension, 17-1/2" long Sliding Bar, 22" long	X32 X33	Drive Head, Male Drive Head, Female

No. XH Extra Heavy-Duty Socket Set

12 Pieces

The Bonney XH Set contains all the most useful 1" square drive hexagon sockets and attachments.

Designed for extra heavy-duty work on buses, trucks, tractors, marine engines and equipment, and industrial machinery. Packed in a metal box 23" x 6" x 5", with carrying handle, padlock hasp, and end catches, the set includes one each of the following:



No.	Description	
X46	1-7/16" Hexagon Socket	
X48	1-1/2" Hexagon Socket	
X52	1-5/8" Hexagon Socket	
X58	1-13/16" Hexagon Socket	
X64	2" Hexagon Socket	
X70	2-3/16" Hexagon Socker	
X76	2-3/8" Hexagon Socket	
X29	Extension, 8-1/2" long	
X30	Extension, 17-1/2" long	
X31	Sliding Bar, 22" long	
X32	Drive Head, Male	
X33	Drive Head, Female	

Net Weight 42 lbs.



GRAY-BONNEY CHROME VANADIUM ENGINEER'S WRENCHES

Drop Forged 15° Angle Opening - Chrome Plated With Polished Heads

Wrench No.	Openings Milled	U.S.S. Bolt Size	Hex. Head Cap Screw	S.A.E. Standard Screws and Nuts	Extreme Length	Thick- ness of Ilead
1019	3/16 & 1/4				2.3/4	7/64
1020	1/4 & 5/16	& 1/8	& 1/8	& 1/8	3	9/64
1721 1021 1722 1723	5/16 & 3/8 5/16 & 13/32 5/16 & 7/16 3/8 & 7/16	1/8 & 3/16 1/8 & 3/16 1/8 &	1/8 & 3/16 1/8 & 1/8 & 1/4 3/16 & 1/4	& 1/4 & 1/4	5	3/16
1022 1023 1723A	5/16 & 1/2 13/32 & 1/2 3/8 & 1/2	1/8 & 1/4 3/16 & 1/4 & 1/4	1/8 & 5/16 & 5/16 3/16 & 5/16	& 5/16 & 5/16 & 5/16	5	3/16
1024 1725 1725B 1025 1725A	13/32 & 19/32 7/16 & 1/2 1/2 & 9/16 1/2 & 19/32 7/16 & 9/16	3/16 & 5/16 & 1/4 1/4 & 1/4 & 5/16	1/4 & 5/16 5/16 & 3/8 5/16 & 1/4 & 3/8	1/4 & 5/16 5/16 & 3/8 5/16 & 1/4 & 3/8	6-1/4	7/32
1726 1026 1727 1027 1027C 1027S	1/2 & 5/8 1/2 & 11/16 9/16 & 5/8 19/32 & 11/16 9/16 & 11/16 5/8 & 11/16	1/4 & 1/4 & 3/8 1/4 & 3/8 5/16 & 3/8 & 3/8 & 3/8	5/16 & 7/16 5/16 & 3/8 & 7/16 3/8 & 7/16 &	5/16 & 7/16 5/16 & 3/8 & 7/16 3/8 & 7/16 &	7	1/4
1028S 1729 1029	5/8 & 25/32 5/8 & 3/4 11/16 & 25/32	& 7/16 3/8 & 7/16	7/16 & 7/16 & 1/2	7/16 & 7/16 & 1/2	8	9/32
1028 1728 1730 1030	19/32 & 25/32 9/16 & 3/4 5/8 & 13/16 11/16 & 7/8	5/16 & 7/16 3/8 & 1/2	3/8 & 1/2 7/16 & 9/16 & 5/8	3/8 & 1/2 7/16 & & 9/16	8	9/32
1731 1731A 1033	3/4 & 13/16 3/4 & 7/8 7/8 & 31/32	& 1/2 1/2 & 9/16	1/2 & 9/16 1/2 & 5/8 5/8 &	1/2 & 1/2 & 9/16 9/16 &	9	11/32
1031 1731B 1732A 1032 1732 1033A	25/32 & 7/8 13/16 & 7/8 3/4 & 1 25/32 & 31/32 13/16 & 1 7/8 & 15/16	7/16 & 1/2 & 1/2 7/16 & 9/16 1/2 &	9/16 & 5/8 1/2 & 3/4 9/16 & 3/4 9/16 & 3/4 5/8 &	& 9/16 & 9/16 1/2 & 11/16	9	11/32
1033C 1034A 1035 1735	15/16 & 1 15/16 & 1-1/16 31/32 & 1-1/16 1 & 1-1/8	9/16 & 5/8 9.716 & 5/8	& 3/4 3/4 & 7/8	5/8 & 11/16 5/8 & 3/4 & 3/4 11/16 &	10-3/4	3/8
1733 1034 1734	7/8 & 1 7/8 & 1-1/16 7/8 & 1-1/8	1/2 & 1/2 & 5/8 1/2 &	5/8 & 3/4 5/8 & 5/8 & 7/8	9/16 & 11/16 9/16 & 3/4 9/16 &	10-3/4	3/8
1036 1736 1037 1737 1037A	31/32 & 1-1/4 1 & 1-1/4 1-1/16 & 1-1/4 1-1/8 & 1-1/4 1-1/8 & 1-5/16	9/16 & 3/4 & 3/4 5/8 & 3/4 & 3/4	3/4 & 1 3/4 & 1 7/8 & 1 3/4 & 7/8	8 7/8 11/16 & 7/8 3/4 & 7/8 & 7/8 3/4 & 7/8	12 12	7/16
1038 1038A 1738 1739 1039 1739A 1739B 1040	$\begin{array}{c} 11/16 & \& 17/16 \\ 15/16 & \& 17/16 \\ 11/8 & \& 13/8 \\ 11/4 & \& 13/8 \\ 11/4 & \& 17/16 \\ 11/4 & \& 11/2 \\ 13/8 & \& 11/2 \\ 11/4 & \& 15/8 \\ \end{array}$	5/8 & 7/8 & 7/8 3/4 & 3/4 & 7/8 3/4 & 1	7/8 & 1-1/8 1 & 1-1/8 1 & 1-1/8 1 & 1/1/4 1 & 1-1/8 & 1-1/4 1 & 1-3/8	3/4 & 1 & 7/8 7/8 & 7/8 7/8 & 1 7/8 & 1 7/8 & 1-1/8	14	1/2
1041	1-7/16 & 1-5/9	.7/9. & 1	& 1_R/R	1 & 1-1/8	15-1/2	9/16



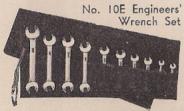
GRAY-BONNEY ENGINEERS' WRENCHES AND SETS

No. 12ALR Automotive Wrench Set



No. 12ALR set contains twenty different openings in sizes from 1/4" to 1-1/4". This is an ideal set for general repair service. The following twelve popular usage wrenches are included—1020, 1723, 1024, 1725B, 1725A, 1027S, 1730, 1731, 1031, 1033C, 1035, 1737.

Set 12 ALR in leatherette roll as illustrated.



No. 10E set contains fifteen different openings in sizes from 5/16" to 1-1/16". The following ten wrenches are supplied—1721, 1723, 1725, 1725B, 1727, 1027, 1729, 1031, 1782, 1034A.

Set 10 ELR in leatherette roll as illustrated. Set 10 ECB supplied in fibre box.

Right Angle Wrenches



Openings in the most necessary sizes for wrenches of this type. Drop forged of alloy steel and chrome plated with polished heads. These right angle open end wrenches are ideal for working in close quarters.

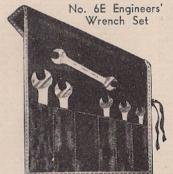
No.	Openings	Length	Head Thickness
2723	3/8" & 7/16"	4-1/4"	7/32"
2725B	1/2" & 9/16"	5-1/2"	15/64"
2729RA	5/8" & 3/4"	7-1/2"	5/16"

No. 8ALR Automotive Wrench Set



No. 8ALR set contains sixteen different openings in sizes from 1/4" to 1-1/4". This is a good set for the man who desires a wide range with minimum investment. The following 8 wrenches supplied—1020, 1723, 1725B, 1027S, 1731, 1033A, 1735, 1037.

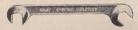
Set 8 ALR in leatherette roll as illustrated.



No 6E contains twelve different openings in sizes from 3/8" to 1". The following six wrenches are supplied—1723, 1025, 1027C, 1028S, 1731A, 1033C. Set 6ELR in leatherette roll as illustrated.

Set 6ECB supplied in fibre box.

No. 2509 Wrench



No.	Openings	Length
2509	9/16" 45° & 90°	6-3/8"

ELECTRICAL AND IGNITION WRENCHES AND SETS

Gray-Bonney Ignition Wrenches are correctly designed, and have the heads offset at angles of 15 and 60 degrees. Each size is available in either angle head. They are forged from alloy steel, giving extreme lightness with the necessary strength.

No. 16 Ignition Wrench Set



Gray-Bonney Ignition Wrenches are available in handy leatherette rolls. The No. 16 Set, shown above, contains nine wrenches ranging from 18/6" to 1/2". The set is designed so that each opening is duplicated, one having 15" angle and the other a 60" angle. In leatherette case,

No.	Openi				
	15° End 60°End		Length	Thickness	
E14	13/64"	15/64"	3"	7/61"	
E16	15/64"	13/64"	3"	7/64"	
E18	7/32"	1/4"	3"	7/64"	
E20	1/4"	7/32"	3"	7/64"	
E22	9/32"	5/16"	3-1/2"	1/8"	
E24	5/16"	9/32"		1/8"	
E26	11/32"	3/8"	3-1/2"	9/61"	
E28	3/8"	11/32"	4"	9/61"	
E30	7/16"	1/2"	4-1/2"	5/32"	

No. 21LR Extra Small Box Wrench Set



Ideal for work on radios, ignition systems, generators, starters, heaters, etc. E40 and E42 have single hexagon openings; E44 and E46 have double hexagon openings.

No. 21LR Set, 1 each of above 4 Wrenches in a leatherette roll.

Extra Small Box Wrenches

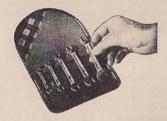
No.	Openings	Length
E40	3/16" & 13/64"	2-7/8*
E42	7/32" & 15/64"	3-1/8°
E44	1/4" & 9/32"	3-3/8*
E46	5/16" & 11/32"	3-3/4°

No. 17 Ignition Wrench Set



No. 17 Set contains the same wrenches as No. 16, with the addition of No. 517 pliers and No. 001 screwdriver. In leatheratte roll.

No. 20LR Zenel Miniature Wrench Set



Delicate jobs on magnetos, generators, radios, timers, oil cleaners, carburetors, electrical parts and similar jobs are quickly done with Gray-Bonney Miniature Wrenches. The No. 20 Set contains one each of Nos. H10, H12, H14, H16 and H18 listed below. They are made of ZENEL, have panelled handles and are chrome plated. In leatherette roll,

Zenel Miniature Wrenches

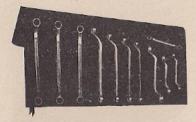
No.	Openings Milled	Length	Thick. Heads
H10	3/16" & 7/32"	2-1/2"	3/32"
H12	1/4" & 9/32"	3"	5/32"
H14	5/16" & 11/32"	3-3/4"	3/16"
1116	3/8" & 7/16"	4-1/8"	7/32"
H18	13/32" & 15/32"	4-1/8"	7/32"

GRAY-BONNEY BOX WRENCHES AND SETS

CHROME VANADIUM STEEL

No. 2311 Box Wrench Set

3/8" to 7/8"



The 2300 (Long) Series Box Wrenches, having one end straight and one offset, are used to good advantage when tightening the manifolds or servicing hard-to-get-at nuts. They are time savers for the motor mechanic.

No. 2311LR.—2300 Series Box Wrench Set contains one each of the 2300 Series Long and Short Wrenches listed below. Supplied in leatherette roll as illustrated.

No. 2307LR.—This set includes one each of the seven Long Type 2300 Series Box Wrenches listed below. Supplied in leatherette roll as illustrated.

Long Type Box Wrenches

2300 Series

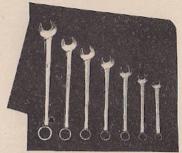
No.	Double Hexagon Openings	Length
2316	1/2"	9"
2318	9/16"	9-1/2"
2320	5/8"	10"
2322	11/16"	11"
2324	3/4"	11-1/2"
2326	13/16"	12"
2328	7/8"	12-3/4"

Short Type Box Wrenches



2300 Series				
No.	Double Hexagon Openings	Length		
2384 2386 2387	3/8" & 7/16" 1/2" & 9/16" 9/16" & 5/8"	5-1/8" 5-1/2" 5-3/4"		
2200	E /ON 0. 9 /AN	0 1 10#		

Tu-Type Wrench Sets



This type of wrench is very popular where speed is required. The box end is handy to loosen tight nuts and get in around manifolds and carburetors. The open end is used for faster turning. Forged from Chrome-Vanadium Steel. Sizes 3/8" to 1" polished and chrome plated; larger sizes satin plated.

No. TU7—This set contains seven wrenches, Nos. 3114 to 3128 providing openings from 3/8" to 7/8". Supplied in leatherette roll.

No. TU9—Contains nine wrenches including the seven supplied in the TU7 set plus Nos. 3112 and 3132. Contained in leatherette roll.

Tu-Type Wrenches

No	Openings	Length	No.	Openings	Length
3112	3/8"	5" .	3128	7/8"	10-1/2"
3114	7/16"	5-3/8"	3129	29/32"	13-1/2"
3116	1/2"	6"	3130	15/16"	13-1/2"
3118	9/16"	6-3/4"	3132	1"	13-1/2"
3120	5/8"	7-3/4"	3134	1-1/16"	14-3/4"
3122	11/16"	8-3/8"	3136	1-1/8"	14-3/4"
3124	3/4"	9-1/2"	3140	1-1/4"	16-1/4"

Short Type Box Wrenches



This series of Short Box Wrenches will appeal very strongly to the mechanic who enjoys using fine tools. They are drop forged from high grade alloy, and are brightly polished all over. The heads are thin and cleanly broached and will give the utmost in service under all conditions.

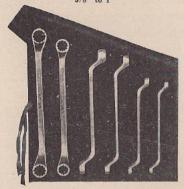
No.	Double Hexagon Openings	Length
6	3/8" x 7/16"	4-1/2*
277	1/2" x 9/16"	5-1/4"
78	5/8" x 11/16"	6"
79	3/4" × 13/16"	6-1/4"

No. 270LR.—Set of the above four Short Box Wrenches in leatherette roll.

GRAY-BONNEY BOX WRENCHES AND SETS

CHROME VANADIUM STEEL

No. DO 6 Double Offset Set



The No. DO6 set contains one each of Nos. 2804L, 2805L, 2807A, 2808, 2809B and 2810 listed below.

Double Offset Box Wrenches

45° Angle

The long, smooth, round handles will give plenty of leverage to loosen the toughest nuts. These wrenches have a deep offset to clear obstructions and give plenty of finger room.

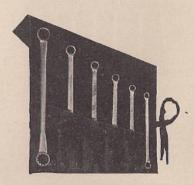
No.	Double Hexagon Openings	Length
2804L	3/8" & 7/16"	8-9/16"
2804C	7/16" & 1/2"	8-1/2"
2805L	1/2" & 9/16"	9"
2807A	5/8" & 11/16"	11"
2807	5/8" & 3/4"	11"
2808	3/4" & 7/8"	11-1/2"
2809B	25/32" & 13/16"	12"
2809	7/8" & 15/16"	12-1/2"
2810	15/16" & 1"	13-1/2"

INDUSTRIAL SIZES

The Residence of the San	THE CONTRACT DESCRIPTION	
2811B	15/16" & 1-1/16"	14-1/2"
2811	1" & 1-1/8"	14-1/2"
*2811E	7/8" & 1-1/16"	14-1/2".
*2812B	1-1/16," & 1-1/4"	17"
*2812C	1-1/8" & 1-1/4"	17"
2812	1-1/4" & 1-3/8"	17"
*2812A	1-1/4" & 1-7/16"	19-5/8"
2812E	1-5/16" & 1-1/2"	19-5/8"
2813	1-7/16" & 1-5/8"	19-5/8"
2813A	1-1/2" & 1-11/16"	19-5/8"
2815	1-13/16" & 2"	24"
2815B	1-7/8" & 2"	24"
2815A	2" & 2-3/8"	26"
2819	2-3/16" & 2-3/8"	26"
2821	2-3/16" & 2-3/8" 2-9/16" & 2-3/4"	26"

^{*}Will discontinue when stocks depleted.

No. 15 Box Wrench Set



No. 15 Box Wrench Set contains one each of the following wrenches: Nos. 2890, 2891, 2892, 2893, 2894, and 2895. In leatherette roll as illustrated.

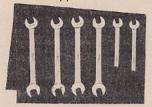
15 Deg. Angle Box Wrenches

The No. 2890 Series Box Wrenches are for work with low overhead clearance. Heads are at angles of from 10 degrees to 15 degrees, depending on the length of the wrench. All have double hexagon openings and are chrome-plated with polished heads. Chrome Vanadium Steel.

No.	Double Hexagon Openings	Length	
2890	3/8" & 7/16"	7-5/8*	
2891	1/2" & 9/16"	8-5/8"	
2892	5/8" & 11/16"	9-5/8"	
2892A	5/8" & 3/4"	9-5/8"	
2893A	3/4" & 25/32"	11"	
2893	3/4" & 13/16"	11"	
2894A	13/16" & 7/8"	13-1/4"	
2894	7/8" & 15/16"	13-1/4"	
2895A	15/16" & 1"	15-1/2"	
2895	1" & 1-1/16"	15-1/2"	
2896	1-1/8" & 1-3/8"	17"	
2897	1-1/4" & 1-7/16"	17"	

GRAY-BONNEY TAPPET WRENCHES MANIFOLD AND CASTOR-CAMBER

Standard Tappet Wrench Sets

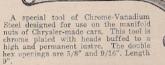


Gray - Bonney Tappet Wrench Sets are arranged to give the mechanic a selection of the most used wrenches in a compact leatherette roll.

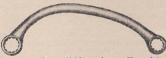
No. 6T Set consists of 6 Chrome-Vanadium Tappet Wrenches, 2 each Nos. 122A, 124A and 124B, covering openings 7/16" & 1/2", 9/16" & 5/8", 11/16" & 3/4". In leatherette roll as illustrated.

No. 4T Set consists of 4 Wrenches, 2 each Nos. 122 and 124, covering sizes 1/2", 9/16", 5/8" and 11/16". In leatherette roll.

No. 2883 Manifold Wrench for Chrysler



No. 2319 Starter and Manifold Wrench



Starter and manifold work on Chevrolet and other cars is simplified by this wrench. The double Hex openings are 9/16" and 5/8". Length 7-3/4".

Standard Tappet Wrenches

No.	Size Openings	Length	Thickness Heads	
122A	7/16" & 1/2"	8"	5/32"	
122B	17/32" & 21/32"	8"	5/32"	
122	1/2" & 9/16"	8"	5/32"	
124A	9/16" & 5/8"	8-1/2"	3/16*	
124	5/8" & 11/16"	8-1/2"	3/16"	
124B	11/16" & 3/4"	8-1/2"	3/16"	
426	3/4" & 7/8"	9"	7/32"	
428	15/16" & 1"	9-1/2"	7/32"	

Extra Long Tappet Wrenches



No. 2884 Starter and Manifold Wrench



This is a very popular tool for use on the starter and manifold nuts of many late model cars. The double hex openings are 9/16" and 3/4". The length is 7-1/2".

No. 2586 Carburetor Wrench



A special tool for adjusting Ford V-8 Carburetor Jets. It is an accurate tool for the precision adjustments required. Made from Chrome-Vanadium Steel but not guaranteed.

Castor-Camber Crowfoot Type 1/2 Square Drive Wrenches



These 1/2 inch square drive attachments fit between arms on either side of the adjusting nut, eliminating need for removal of arms in order to obtain clearance to adjust camber and castor.

No.	Opening	Application
1203	1-3/16"	Meteor and Ford (also use 1205)
1205	1-5/16"	Monarch, Mercury, Meteor, Ford
1207	1-7/16"	Chrysler Cars, 1941-49, except 7 pass, models
1209	1-1/2"	Chrysler 7 pass., Saratoga and New Yorker

GRAY-BONNEY ADJUSTABLE AND HEAD SCREW WRENCHES

Dreadnaught Adjustable Wrenches



These Adjustable Wrenches are drop forged from special analysis tool steel. Fully tempered and heat treated, with polished heads and nickel plating.

No.	Size	Max. Opening	Std. Box Quantity	Weight Box of 6
DAW6	6"	3/4"	6	2-1/2 Lbs.
DAW8 DAW10	10"	15/16"	6	6 4
DAW12	12"	1-5/16"	6	11 "

Gray-Alloy Adjustable Wrenches



The Gray-Alloy light weight Adjustable Wrench is forged from high-grade alloy steel. It is thinner and lighter, yet much stronger than the standard pattern.

No.	Size	Max. Opening
GA6	6"	3/4"
GA8	8"	15/16*
GA10	10"	1-1/8"
GA12	12"	1-5/16*
GA15	15"	1-11/16*
GA18	18"	2-1/16"

Pipe Wrenches Straight Pattern

No.	Size	Grips Pipe
NSP6	6"	1/8" to 3/4"
NSP8	8"	1/8" to 1"
NSP10	8" 10"	1/8" to 1-1/2"
NSP14	14"	1/4" to 2"
NSP18	18"	1/4" to 2 1/2"
NSP24	24"	1/4" to 3"
NSP36	36"	1/4" to 4-1/2"
NSP48	48"	1" to 6"



These Pipe Wrenches have long been famous for their remarkable durability under hard usage. They are drop forged from specially selected steel and carefully heat treated. The unbreakable housing and free-moving nut are features that will be appreciated by all good mechanics.

TW Series 3/8" Sq. Drive Head Screw Wrenches

The TW Set contains one each of the following

Tool No.	Size Hex. Bit	Size Drive	For Set Screw	For Cap Screw
TW4	1/8"	3/8"	1/4"	48
TW5	5/32"	3/8"	5/16"	#10 & #12
TW6	3/16"	3/8"	3/8"	1/4"
TW7	7/32"	3/8"	7/16"	5/16"
TW8	1/4"	3/8"	1/2"	
TW10	5/16"	3/8"	5/8"	3/8"& 7/16"
TW12	3/8"	378"	3/4"	1/2"
W2-1/2	Fits Allen S	Set Screw	on all abov	e wrenches



These wrenches, made with replaceable bits, cover all the popular sizes of set screws and cap serews. The TW set contains one each of the listed wrenches.

Packed in metal box 41/2 x 2 x %"

Head Screw Wrenches

No.	Hex. Across Flats	No.	Hex. Across Flats
W1	.050	W8	1/4"
W2	1/16"	W10	5/16"
W2-1/2	5/64"	W12	3/8"
W3	3/32"	W16	1/2"
W4	1/8"	W18	9/16"
W5	5/32"	W20	5/8"
W6	3/16"	W24	5/8" 3/4"
W7	7/32"		



These wrenches are practically indispensible in modern shops. All late model motors are using hollow head cap screws and set screws on which these wrenches must be used.

W11LR Set of 11 Head Screw Wrenches W1 to W12 inclusive in leatherette roll

BUSHING DRIVERS AND EXPANSION REAMERS

Bushing Driver Set No. BU40



This Bushing Driver Set is designed to drive all passenger car bushings and many truck and tractor bushings.

These tools are made of alloy steel carefully hardened and tempered to give the best of service. Guaranteed against defects in workmanship and materials

Packed in a metal box 7-7/8" long; 4-1/8" wide; 1" high.

Set includes

	Bushing I.D.	Drive O.D.	Fits Handle No.
40-1 Driver	13/32	7/16	42-1, 42-2
40-2 Driver	7/16	1/2	42-1, 42-2
40-3 Driver	1/2	9/16	42-1, 42-2
40-4 Driver	1/2	5/8	42-1, 42-2
40-5 Driver	9/16	5/8	42-1, 42-2
40-6 Driver	9/16	11/16	42-1, 42-2
40-7 Driver	\$39/64	43/64)	42-1, 42-2
	15/8	11/16	
40-8 Driver	5/8	3/4	42-1, 42-2
40-9 Driver	11/16	13/16	42-1, 42-2
41-1 Driver	\$47/64	55/64)	42-3
	13/4	7/8	
41-2 Driver	13/16	15/16	42-3
41-3 Driver	155/64	63/64)	42-3
	17/8	1	
41-4 Driver	15/16	1-1/16	42-3
41-5 Driver	1	1-1/8	42-3
41-6 Driver	1-1/16	1-3/16	42-3
41-7 Driver	1-1/8	1-1/4	42-3
41-8 Driver	1-1/4	1-3/8	42-3
42-1 Handle	7/16 Dia.	x 5" Long	
42-2 Handle	5/8 Dia.	x 6" Long	
42-8 Handle	3/4 Dia.	x 7-3/8" Le	ong
43-1 Nut	fits 42-1		Profession Control
43-2 Nut	fits 42-3		

40-7 will drive Chevrolet Six Water Pump Bushing, 41-1 will drive Chevrolet Six King Bolt Bushing, 41-3 will drive Chevrolet Six King Bolt Bushing.

(Knee action car.)

Expansion Type Reamers and Pilots

Improved Design - 50% Faster

Individual Reamer Specifications

No. Size Length Overall Reamer Blades Blades	-	NAME OF TAXABLE PARTY.			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	No.	Size	-		
	7A 6A 5AA 3A 2A BCDEFGHIJKLMN	9/32* to 5/16* 5/16* to 11/82* 11/32* to 3/8* 3/8* to 13/82* 13/32* to 7/16* 7/16* to 16/82* 15/32* to 17/32* 15/32* to 19/82* 19/32* to 19/82* 23/32* to 25/32* 23/32* to 25/32* 25/32* to 27/82* 27/32* to 15/16* 1-1/16* to 1-3/16* 1-1/16* to 1-3/16* 1-1/132* to 1-1/32* 1-17/32* to 1-1/32* 1-17/32* to 1-1/32* 1-25/32* to 2-7/32*	3-3/4" 4" 4-1/4" 4-1/2" 4-3/4" 5-1/4" 5-1/4" 6-3/4" 7-3/4" 7-3/4" 8-1/4" 8-3/4" 11" 11" 11"	1-5/8" 1-5/8" 1-7/8" 1-7/8" 1-7/8" 2" 2-1/4" 2-1/4" 2-1/2" 3" 3-1/2" 4" 4" 5-1/4" 5-3/4"	4 4 4 4 6 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7

NOTE—When ordering pilots only, simply specify the reamer size. Shanks used for reamers 8A to 2A. The improved design of these expansion type reamers is a very definite improvement over the old type. The staggered or unevenly spaced blades set at the correct angle, together with the special retaining collars, eliminates chatter and doubles the life of the reamer. They are constructed so that pilots may be quickly and easily attached, thus doubling the utility of the reamer. The pilots may be purchased separately and will fit all Critchley type reamers.



Set No. L03 (with Pilots Attached)

No. LO1 Set contains 8 reamers without pilots from 15/32" to 1-1/16" (sizes A-H) in wood box. As illustrated.

No. LO3 Set contains the same reamers as LO1 Set, but with pilots attached.

GRAY-BONNEY PULLERS, SCREW EXTRACTORS AND THREAD RESTORERS

Gear Pullers



This improved Gear Puller with special gripping feature, will handle all types of gears, pinions, etc., better than anything previously offered. The double end jaws are thin and shaped so that slipping is impossible. Light in weight, yet strong enough for the toughest job.

No. 1001 with 1/2" screw 6" long, and jaws having a spread of 6", by 3-1/2" in length, is ideal for small work

No. 1002 is an "all purpose" tool which will handle a wide range of work. Jaws are 5-1/2" long, with a spread of 8". Screw is 9" long by 5/8" diameter.

No. 1003 is equipped with 9" jaws—spread 12". Screw is 12" long by 13/16" diameter.

"LonGriP" Screw Extractors



Ridgid 'LonGriP' Extractors are positive in operative in

Set No. RE3 — Extractors Nos. 3, 4 and 5.

Set No. RE5 — Extractors Nos. 1, 2, 3, 4 and 5.

No.	Fits Screw	Use Drill	O.D.	Length	Depth
SE1	1/4"	1/8"	.139	2-5/16"	1° 1° 1° 1" 1"
SE2	5/16"	3/16"	.205	2-3/4"	
SE3	3/8"	1/4"	.272	3-1/16"	
SE4	7/16"	5/16"	.338	3-5/16"	
SE5	1/2-9/16"	11/32"	.374	3-3/4"	

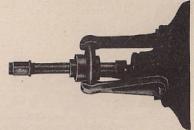
Thread Restorers

Gray-Bonney Thread Restorers will save you much time and trouble when you have damaged threads to contend with. A few strokes across battered threads produce a true new thread—nut will then go on easily. Add a pair to your service kit.

No. TR1—has 8 thread sizes—11, 12, 13, 14, 16, 18, 20 and 24 threads to the inch.

No. TR2—has 8 thread sizes—9, 10, 15, 16, 20, 26, 28 and 32 threads to the inch.

No. 827 Universal Wheel Puller



The best, simplest, and sturdiest wheel puller ever developed. Has tremendous power, yet cannot bend or otherwise damage the wheel lugs.

With the three regular legs, shown above, it works perfectly on over 98% of all makes of cars.

The screw has very fine threads, which give it an extremely powerful leverage. In addition, the puller is equipped with a sliding bearing through which the driving screw rides. This feature makes it possible the operator to attach the puller to the studs, then draw the screw tightly against the axle and with a light blow of a hammer, remove the most stubborn hub. Extends to include 8 inch bolt circle.

Another feature is the floating cap on the screw end. This centers on the axle, avoiding injury to either axle or puller,

The driving end is forged with a hexagon head which firmly holds the driving handle. The handle driving bar can be eliminated if it is desired to turn the screw up with an ordinary socket or open end wrench.

No. 827L-Extra Leg for Above

No. 827H Handle



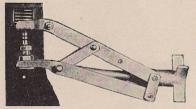
Designed especially for No. 827 Wheel Puller. Drop forged and heat treated,

No. 827V Wheel Puller Adaptor.



This adaptor will work on all Ford V-8 hubs from 136 to date. Engage two of the puller arms in the bolts and slide the adaptor over the hub groove. Apply pressure by means of the pressure screw, and a straight steady pull will result.

GRAY-BONNEY VALVE TOOLS



The little stubby has many outstanding features to make it the most popular universal valve lifter on the market to-day. It will service any "L" Head motor having the cylinders in one line and straight stemmed valves. It is so small that it gets in all the tight corners with ease. It has no catches to wear and slip; no pinching of fingers, etc. Not necessary to remove manifolds when you use a Gray-Bonney stubby,

No. CF4 Valve Spring Compressor Small Series



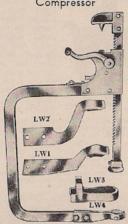
Services all Chevrolet and many low horse-power motors including some of British origin. Also well adapted to many L head motors when manifolds are removed. Heavy bar-steel with adjustable jaws, oil tempered. Screw adjustment for plunger depth. Safety over-center lock allows both hands free when spring is raised. Throat $4\%'' \propto 6\%''$.

No. CF2 Split Lock Replacer



The No. CF2 is just the tool for replacing all types of split keys on hard-to-get-at motors-Chrysler, Dodge, DeSoto, Plymouth, Studebaker, Oldsmobile and all late model cars. The sliding base prevents the keys from dropping into the motor. Simple to load; easy to operate; much safer than grease.

No. CF49 Stubby Type Valve Lifter No. CF3 Little Wonder Valve Spring Compressor



This popular type of valve lifter is a necessity in every garage. It is large enough to clear the manifold, thereby saving valuable time. The improved rack and pinion mechanism will lock securely at any desired point, and the thin jaws will fit into any coil so that the spring can be compressed and the pin removed. The re-compression device makes it easy to compress springs before replacement. This lifter will service both "L" Head and valve in head motors. It comes complete with three different sized compression jaws LW3 (for replacing spring in motor) and one pair of straight standard jaws, LW4 as illustrated.

Extra Parts

No. LW1-Offset G.M.C. and Continental Jaws (pair) No. LW2-Special Plymouth and Dodge Jaws (pair) No. LW3-Extra Spring Clips (set of three). No. LW4-Straight Standard Jaws (pair).

No. FT57 V-8 Universal Valve Lifter To Fit All Models

A Ford Valve Lifter especially designed to fit all models. The double end feature is a definite improvement over the old type and eliminates the necessity of buying two tools. Drop forged from alloy steel and 27" long. Not guaranteed against breakage.

GRAY-BONNEY PISTON AND SPECIAL TOOLS

Piston Ring Compressors



The se improved ring compressors are a definite improvement over anything previously offered. The self locking pavl will hold the compression band at any point, and in addition a double tension band is provided. This band of high grade spring steel will reduce breakage to a mintmum, and will eliminate filare out at the bottom of the compressor. The handle

is made of 1/4" stock and can easily be replaced if lost. The beaded edge will prevent the compressor from entering the cylinder. These tools are made in four sizes, as follows:

No. RC1 for cars 21/2" to 5"-Non-locking.

No. RC2 for cars 21/8" to 5".

No. RC3 for trucks and Diesel engines with range of 314" to 7".

No. RC4 same as RC3 but $6\frac{1}{2}$ " in height with four tension bands.



A handy and practical tool which should be in every garage. The cutter can be instantly adjusted to the desired size of 3/32", 1/8", 5/32" or 3/16", and will handle pistons from the smallest to 6" O.D. Where a groove has to be deepened for the installation of inner rings this tool is ideal.

Shop Knife



For cutting shims, gaskets, packing, top and upholstery materials, this Knife is unsurpassed. Five razor edge blades fit inside the handle, and a new one can be inserted in an instant.

No. 199 Die Cast Aluminum Handle, Complete With Blades.

Extra Blades are available for these Knives in packages of five.

Universal Cylinder Ridge Reamer No. L0173



This ridge reamer removes the unworn ridge from the cylinders of all cars with bores from 2.%" to 4%". The supporting lugs are mounted on the blades and expand with them. This eliminates the necessity of removing studs. For cars with recessed heads the lugs are replaced by small lates and the lool rests on the top of the piston while reaming.

No. L0173 Set, as illustrated, contains one set of three blades with lugs to ream 2%" to 3%", one set of three blades with lugs to ream 3%" to 4%", one set of three plates and one operating knob, in metal box.

No. 839 Carbon Scraper



Made from spring steel wire to assure long life and flexibility. Permits scraping uneven contours on cylinder head blocks.

Clutch Alignment Set No. CA41

This is a complete set that will handle the ciutches of nearly all cars. The assortment of pilots included in each set results in one tool that will



give quick, accurate clutch alignment. Supplied in a metal box 104" x 14" x 14". Net weight approximately 5 lbs.

GRAY-BONNEY BRAKE TOOLS

Nos. 2566 and 2566A Brake Tools

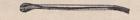


For making brake adjustments on cars equipped with Bendix brakes. Forged from alloy steel.

No. 2566 has 1/2" blades, is 71/2" long.

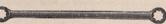
No. 2566A has 1/2" blades with one straight end, is 8" long.

No. 2599 Hydraulic Brake Wrench



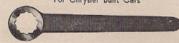
Designed especially for adjustments on Bendix and other hydraulic brakes, The curved blade is for the "Star Wheel" brake adjustments, while the open end is for adjusting the eccentric nut on all Bendix Two Shoe brakes. Drop-forged of alloy steel, chrome plated. Blade is %" wide. Open end has %" opening. Overall length 9%".

No. 2357D Ford Brake Wrench



For making adjustments on brakes on Ford cars and trucks. Has double square openings in 7/16" and '4" sizes. Drop-forged of alloy steel and chrome plated. Length 10%".

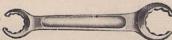
No. 2629 Brake Wrench For Chrysler Built Cars



This single head drop-forged alloy steel box end wrench has a double hexagon opening of 1-1/16". It is designed especially for making brake adjustments on Plymouth, Dodge, DeSoto and Chrysler cars.

No. 2612 and 2618 Brake Tools

For Removing Brake Line Flare Nuts



Slotted box wrenches for use when removing or installing brake line flare nuts, Drop-forged of alloy steel and chrome plated.

No. 2612 has 3/8" and 1/2" openings required for servicing Ford, Mercury, Monarch and Lincoln.

No. 2618 has openings of 7/16" and 9/16" for use on most other hydraulic brake systems.

No. 51 Brake Set

This is a very practical set of Specialized Tools for use in servicing automotive brakes.



This kit contains the six most often required Specialized Brake Service Tools. The types provided will enable the mechanic to service brakes on practically all makes and models of cars and trucks.

Contents include one each:

Nos. 2566 Bendix brake tool.

- , 2566A ,, ,, ,,
- ,, 2599, ,, ,, ,,

2357D Ford

- " 2680 Brake spring plier,
- " K50 Brake feeler gauge.

Supplied in a strong leatherette tool roll with a pocket for each tool as illustrated above.

GRAY-BONNEY BRAKE TOOLS

No. L0925 Hydraulic Brake Cylinder Hone

Simple but sturdy construction makes it easy and inexpensive to operate and assures long, satisfactory service.

Each of the two small hodies has one set of three blade slots. The one body has shallow slots and the other has slots 1/32" deeper. One set of blades expands 1/16 of an inch in each set of slots or, moving them from one set of slots to another gives 1/8 of an inch expansion; using the three sets of blades in this manner gives 3/16 of an inch expansion in each of the small bodies, and 3/8 of an inch expansion in the medium and large bodies so that the set illustrated with the four bodies has a range of from 3/4" to 1-7/8" which covers most pleasure cars and trucks.



No. L0925—Range 8/4" to 1-7/8", contains four bodies, three sets of three blades (small, medium and large), with abrasives mounted, eighteen extra abrasives (nine coarse and nine fine). Special 1" cup screw to be used on medium size body when honing step bore cylinders and flexible driving shaft adaptable to 1/4" or 1/2" electric drill, put up in neat metal box.

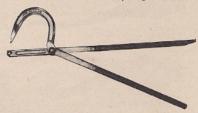
Individual parts for L0925 set: L0899C—Coarse hone abrasives (1 dozen). L0899F—Fine hone abrasives (1 dozen). L0920—Flexible driving shaft.

No. 531 Brake Spring Compressor



Place tapered end of tool on steel cup, then place index finger of other hand on head of pin located on rear of back-up plate. Push in on tool until arrow head of pin is uncovered. Make one quarter turn-release pressure and the cup comes off the spring. Fits all regular and flat cups.

No. 2680 Brake Spring Plier



An unusually efficient brake spring piler designed especially for the removal and replacement of internal brake springs on all types and sizes of cars and trucks. Size 13".

No. 525 Brake Spring Plier



An extra slim, light brake plier which will work well on all passenger cars and light trucks. Not guaranteed. Size 13".

No. 530 "C" Washer Brake Pliers



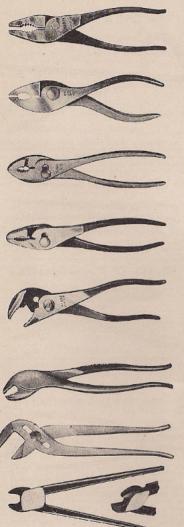
This special tool is for removing, installing and crimping hydraulic brake "C" lock washers. The most stubborn "C" lock washer can be easily removed with the tool. Size 7%".

No. B21 Lock Ring Pliers



Designed especially to spread the snap lock rings and horse shoe type of brake key in order to remove them from brakes, transmissions, pedal, clutch and fan pulley shafts when removing them from assembly. Drop forged of chrome aloy steel. Outside of jaws are toothed to prevent any possibility of slipping. Plier will spread any lock ring washer up to 1% diameter. Size 8".

GRAY-BONNEY AUTOMOTIVE PLIERS



No. 513 Mechanics Slip Joint Side Cutting Pliers

Forged from Chrome-Vanadium Steel, hardened and tempered, this piler is designed for hard usage. The sharp cutting side knives are ground to assure their longer life. The well designed head has a flush rivet on one side. Polished head and fully chrome plated.

Size

No. B16 General Purpose Slip Joint Side Cutting Pliers

A well balanced medium priced Plier. It provides strong gripping power and has excellent side cutter knives, Forged from Chrome-Vanadium Steel with knurled handles, polished and fully finished in lustrous chrome.

Size.....

Nos. B6 and B8 Combination Pliers

These General Purpose Slip Joint Pliers are sturdily built for general service. They are drop forged, heat treated and nickel plated. Available in the two following nonular sizes

> B6-Size....

No. B28 Heavy Duty Slip Joint Pliers

Here is a good alloy steel long service Slip Joint Plier with notch type cutter. All mechanics should own a pair of these long heavy duty pliers.

Size.....

No. 523 45" Thin Angle Nose Slip Joint Gripping Pliers

A powerful Gripping Plier with teeth set as in a pipe wrench that will not slip on a smooth round surface. This tool is for gripping frozen nuts or bolts and odd shaped objects. There are three different opening adjustments and the jaws open to take up to one inch. The angle nose gets into those "harl-to-get-at" places. Drop forged of high grade alloy steel, polished head and chrome plated.

No. 522 Angle Nose Battery Pliers

The handiest drop forged alloy steel plier ever designed for use when loosening or tightening the terminal nuts or battery cables. Polished head and fully finished in chrome. Size.....

No. 258 Water Pump and Electricians' Lock Nut Pliers

This quality multi-use drop forged alloy steel Plier is for use on adjustable packing and lock nuts. It has a positive grip action with six different opening adjustments. Maximum opening two inches. Polished head and fully chrome plated.

No. B33 Body Trimmers' Pliers

This body trimmers' Hog Ring Plier is used for closing the prongs of metal lock rings used on body hardware and other installations requiring use of locking rings.

Size....

GRAY-BONNY AUTOMOTIVE PLIERS

No. 517 Slip Joint Ignition Pliers

This delicate Ignition Plier is designed for use on all arms deneate ignition Fiber is designed for use on all ignition units and on other equipment where small nuts and bolts are encountered. Drop forged from Chrome-Vanadium Steel, the head is correctly designed providing three opening adjustments. It is spring tempered and fully chrome plated. Not Guaranteed.

Size

No. B17 Diagonal Cutting Pliers

A high grade medium size Diagonal Cutting Plier with accurately ground cutter jaws. Drop forged from Chrome-Vanadium Steel, polished head and fully chrome plated. A sure cutter and a real cotter key pulier.

Size...... 6"

No. B18 Heavy Duty Diagonal Cutting Pliers

This high leverage Diagonal Cutter Plier is for heavy duty service. The accurately ground cutting edges assure easy cutting. Drop forged of Chrome-Vanadium Steel, polished head and finished in chrome.

Size

No. 41-4 Diagonal Cutting Pliers

Drop forged of the finest quality alloy steel, this four-inch Electrician's Diagonal Cutting Plier is a practical addition to any tool kit.

No. 39 Diagonal Cutting Pliers

Drop forged of fine alloy steel, this plier has handhoned cutter knives that cut clean and will stand up. Designed to give great leverage in cutting as well as pulling cotter keys.

Size...... 7"

No. 654 Long Nose Side Cutting Pliers

This is a long, fine, spring tempered nose, side cutting Plier, drop forged from alloy steel and carefully heat treated. The lorg nose of the plier will reach into tight places inaccessible with any other plier, and the keen edged cutter will cut practically any wire found in auto-motive work except the heavier ignition wires and battery cables.

Size.....

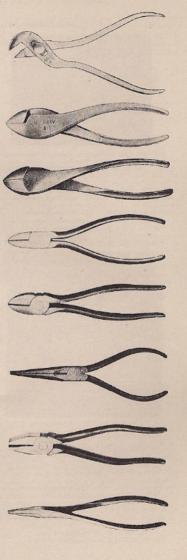
Nos. B22 - B23 Lineman's Pliers

General utility standard Cutting Pliers for linemen and other electricians. Drop forged from alloy steel and carefully heat treated. Available in two sizes.

B22—Size______6" B23—Size.....

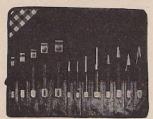
No. B30 Duck Bill Pliers

This is a very practical Plier for use when working on equipment where little operating space is available. The long leverage grips provide for powerful leverage. Ideal for use when working on carburetors, ignition or similar units.



GRAY-BONNEY PUNCH AND CHISEL SETS

No. C46 Chisel and Punch Set



Set No. C46 contains a compact assortment of nine Chisels and four Punches to serve everyday needs. Content includes: Flat Chisels Nos. C2, C3, C4, C5, C6; Cape Chisels Nos. C12, C13; Diamond Point Chisels Nos. C15, C16; Pin Punches Nos. C28, C39; C30; Center Punch No. C34. Every piece is forged from high quality alloy steel and properly heat treated. The heads and working bits are full finished with shafts in baked blue enamel.

Set No. C46-CB-In cardboard box. Set No. C46-LR-In leatherette roll.

No. C47 Chisel and Punch Set



Sct No. C47 is for the man requiring a complete set of Chisels and Punches. It contains thirteen Chisels, ten Punches, a Rivet Buster and a Pinch or Pry Bar. Content includes: Flat Chisels Nos. C22, C3, C4, C5, C6, C7; Cape Chisels Nos. C12, C13; Long Flat Chisel No. C10; Diamond Point Chisels Nos. C15, C16; Round Nose Chisels Nos. C18, C19; Long Taper Punches Nos. C25, C26; Prick Punch No. C32; Solid Punches Nos. C21, C22, C23; Pin Punches Nos. C26, C29, C30; Center Punch No. C34; Rivet Buster No. C36 and Pry or Pinch Bar No. C38. Every piece is forged from high quality alloy steel and properly heat treated. Full finished heads and working bits with shafts in baked blue cannel.

Set No. C47-CB-In cardboard box, Set No. C47-LR-In leatherette roll.

No. C45 Flat Chisel Set



This set of Gray-Bonney Flat Chisels completely covers the range required in everyday service word. It contains the following Flat Chisels: Nos. C2, C3, C4, C5, and C6, having cutting blade widths of 1/2", 5/8", 3/4", 7/8", and 1". All are forged from the highest quality alloy steel of a specification most suitable for this type of tool. They are properly heat treated to assure hard, tough cutting ability. Their octagon baked blue ename! shafts offer an easy, secure grip. Cutting blades and striking heads are full finished.

Set No. C45-CB—In cardboard box. Set No. C45-LR—In leatherette roll.

No. PC39 Dealer's Merchandiser



Here is an ideal Punch and Chisel counter type Merchandiser. It contains the most popular tools of this type. It was created on popular demand as an aid to sales and service. The unit is constructed with a red masonite back panel mounted on a varnished maple base bearing part numbers. This Merchandiser complete with tools is contained in a strong shipping carton. Conten includes: two each Pin Punches Nos. C28, C29, C30; two each Long Taper Punches Nos. C28, C29, C30; two each Long Taper Punches Nos. C25, C26; Two Prick Punches No. C32; four Center Punches 50, C34; three each Flat Chisels Nos. C2, C3; two Flat Chisels No. C4; one each Flat Chisels Nos. C5, C6; two each Cape Chisels Nos. C12, C13; two Round Nose Chisels No. C18; one Round Nose Chisels No. C19; one Round Nose Chisels No. C19; one Round Nose Chisels No. C19; one Round Nose Chisels No. C19.

GRAY-BONNEY PUNCKES AND CHISELS

Chisels, Punches and similar hand tools are naturally subjected to very severe service. Gray-Bonney has spared no effort to meet these conditions and to offer the best in these types of tools. All are forged of special alloy steel and are carefully heat treated. Mechanics find that the bits are hard and tough enough to work on any untempered material, but still sufficiently soft to be resharpened with a file. They have well crowned comparatively soft heads, which reduce chipping and allow them to be readily redressed when battered. Blades, tips and heads full polished, handles finished in baked blue enamel.

ORAY COO CANADA

PIN PUNCHES

No.	Size Stock	Point Diameter	Length
C28	3/8"	1/8"	5"
C29	1/2"	3/16"	5-5/8"
C30	5/8"	1/4"	6-3/8"

DAY CHOUSE

LONG TAPER PUNCHES

No.	Size Stock	Point Diameter	Length
C25 C26	3/8"	5/82* 3/16*	8"

GRAY C23 CANADA

SOLID PUNCHES

No.	Size Stock	Point Diameter	Length
C21	3/8*	1/16°	5-1/2*
C22	1/2*	3/32°	6-1/4*
C23	5/8*	1/8°	7*

PRICK PUNCH

No.	Size Stock	Length
C32	3/8"	5"

GRAY C CANADA

CENTRE PUNCH

No.	Size Stock	Length
C34	3/8"	5"

PRY OR PINCH BAR

No. Size Length

Lining-Up Punches (Silico-Manganese Steel)

FLAT CHISELS

No.	Size Stock	Width of Cut	Length
G2 G3 G4 G5 G6	3/8"	1/2° 5/8°	5-1/2° 6°
C5 C6	3/4" 7/8"	7/8	7-1/2*

twice made

LONG FLAT CHISEL

No.	Ste Stock	Width of Cut	Length
C10	3/4"	7/8"	14"

GRAY CIZ CANDA

CAPE CHISELS

No.	Size Stock	Width of Cut	Length
C12 C13	1/2*	1/4"	6*

GRAY C18 CANADA

DIAMOND POINT CHISELS

No.	Stock Stock	Width of Cut	Length
C15	1/2°	1/4"	6°
C16	5/8°	3/8"	7*

ROUND NOSE CHISELS

No.	Size Stock	Width of Cut	Length
C18 C19	1/2"	1/4" 3/8" .	6* 7*

RIVET BUSTER

No.	Size Stock	Width of Cut	Length
C36	3/4*	5/8"	12"

No. 8386—Lining-Up Punch, 5/8" stock, 5/16" point. Length, 18".
No. 8385—Lining-Up Punch, 3/4" stock, 5/18" point. Length, 18".



GRAY-BONNEY FEELER GAUGES

Gray-Bonney Feeler Gauges are made from the finest imported Swedish Steel, carefully Heat-Treated and Tempered to withstand wear. Each blade is tested to insure the exact thickness which is etched on it.











No. K50 Brake Adjusting Gauge

For measuring clearance between brake and shoe. 9 blades 4" long in the following thicknesses—.006; .008; .010; .012; .015; .018; .020; .022 and .032.

No. K51 General Purpose Gauge

Especially for tappet and ignition work—the most popular gauge on the market. 10 blades 1-1"2" long, 10 blades 3-5/8" long and 3" point file. Short blades in the following thicknesses—012; .013; .014; .018; .020; .022; .024; .025; .028; .032. Long blades in following thicknesses—002; .003; .004; .005; .006; .007; .008; .011; .013 and .015.

No. K52 Ignition Gauge

Contains 10 narrow blades 1-1/2" long for ignition distributor points and spark plugs. Thickness of blades included as follows—.012 .013; .014; .018; .020; .022; .025; .028; .032 and .035.

No. K53 Universal Master Gauge

Has full range of spacers—25 blades, each 3.5/8" long in following thicknesses—0015; .002; .003; .004; .005; .006; .006; .008; .009; .010; .011; .012; .013; .014; .015; .016; .018; .020; .022; .024; .025; .028; .030; .032 and .035.

No. K54 Standard Feeler Gauge

Contains 10 blades 3-3/8" long in following sizes—.002; .003; .004; .005; .006; .007; .008; .010; .012 and .015.

GRAY-BONNEY FEELER GAUGES

Gray-Bonney Feeler Gauges are made from the finest imported Swedish Steel, carefully Heat-Treated and Tempered to withstand wear. Each blade is tested to insure the exact thickness which is etched on it.

No. K55 Extra Long Feeler Gauge

Exceptionally useful for pistons, etc. Has 8 blades, each 9" long in the following sizes—.002; .003; .004; .005; .006; .008; .010; .015.

No. K57 Chevrolet Feeler Gauge

This Gauge, especially designed for the Chevrolet cars and trucks, has eight blades, an ignition file and 3-inch steel rule. It also includes: Float Level Gauge; Gauges for valve setting; Round Wire Stock Gauge for spark plug gaps. This is a tool every Chevrolet mechanic will find very convenient.

No. K58 Ford Feeler Gauge

For the service man that works on Ford cars and trucks. Each of the nine blades is marked with the thickness as well as the purpose for which it is to be used. Ends of blades have been carefully ground to provide for the accurate adjustments necessary to assure satisfactory operation of all Ford cars and trucks.

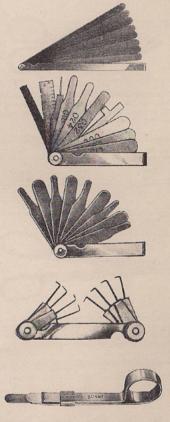
No. K59 Spark Plug Gap Gauge

This Gauge is designed specifically for use when adjusting spark plug gap settings. The feelers are of round wire gauge stock and permit very accurate settings.

No. K56 Single End Feeler Gauge

Positive Adjustable Lock Stock Holder.

Any thickness of feeler gauge stock coils within the handle and can readily be pulled out for use. Any desired length of strip stock or standard 12" blades may be used. Positive sliding lock securely holds blades. Made from hard drawn, cold rolled steel and satin nickel plated. Length, 4-1/2". Weight, 1 oz.



Feeler Gauge Stock

Made from the same high quality Swedish Steel as used in the Gray-Bonney Gauges. Supplied in handy 12" lengths, each marked as to size and wrapped in cellophane. 12 pieces to carton. Available in following sizes:—.0015; .002; .003; .004; .005; .006; .008; .010; .012; .013; .015; .018; .020; .022; .024; .025 and .032.

GRAY-BONNEY BATTERY SERVICE TOOLS AND TINNERS' SNIPS

Straight Pattern



These snips are of excellent quality. They are made from a one-piece drop forging, precision ground and hand polished. The cutting edges are keen and will give long and satisfactory service.

No.	Length	Cut	
507	7"	2"	
510	10"	2-3/4"	
512	12"	3-1/4"	

Combination Circle Pattern



The combination circle pattern snip is an allpurpose snip. It will cut either right or left-hand direction. This extra slim snip is ideal for garage mechanics, as well as metal workers.

707	7"	1-7/8"
710	10"	2-3/4"
712	12"	3-1/8"

No. 840 Wire Scratch Brush



A good quality brush for removing dirt and grease and carbon,

No. 522 Angle Nose Battery Plier



The handiest plier ever designed for battery work. Chrome plated and 7-1/2" long.

No. 526 Round Nose Battery Plier



For those who prefer a Battery Plier with the round nose. Nickel plated and painted handles. 7-1/4'' long.

No. 524 Battery Terminal Spreader



Spreads battery cable terminals. A great help when removing or installing battery cables. Heat treated nickel plated with painted handles, 7-3/8" long.

No. 6481 Battery Terminal Wrench



Double end box wrench with 9/16" and 5/8" double hexagon openings. Designed for servicing battery terminal nuts and bolts. 6" long.

No. 1000 Battery Terminal Puller

A sure grip miniature puller which will remove the most stubborn battery cable terminal. It is a real time saver when removing storage batteries.



GRAY-BONNEY SPECIAL SERVICE STATION TOOLS

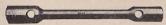
Four Way Rim Wrenches



No. 308—Forged steel. Deep sockets, 5/8", 3/4", 13/16" and 7/8" openings. Arms 9/16" diameter and 16-1/2" long. Nickel plated and forged from Chrome Vanadium steel.

No. 309—Special 4-way rim wrench for trucks. See details given below.

Truck Rim Wrenches



The truck rim wrenches shown below will cover practically all wheel nuts on present day trucks.

1258	1-1/2" Hex. x 13/16" Sq.
7940	13/16" Sq. x 1-1/8" Hex.
7944	7/8" Hex. x 1-1/16" Hex.
7944A	7/8" Hex. x 1-3/16" Hex.
7944B	Cross Bar for 7944 only.
1258B	Cross Bar for other than 7944.
309	4-Way-1-3/16" Sq. x 7/8" Hex. x
000	1" Hex. x 1-1/16" Hex. x 1-3/16"
	Hex. x 1-1/2" Hex. Two of the
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

arms incorporate double size openings thus providing six different socket sizes. Arms 1" Rd.; 25-1/2" long. Nickel plated.

No. 1258—Fits Ford, Dodge, Fargo and Budd wheels.

No. 7940-Fits Budd wheels.

No. 7944—Fits International, White.
No. 7944A—Fits G.M.C., Diamond T, Reo, Federal.
No. 369—A special 4-Way Universal Truck Wrench.
See above for size openings.

No. M6T Spoon Type Tire Iron

Straight pattern for trucks and passenger cars.

No. M7T Spoon Type Tire Iron

Curved pattern for trucks and passenger cars.

No. M5 Special Lock Ring Tool

For service on trucks with solid and split rings. Length 20". Not guaranteed.

No. PH19 Tire And Rim Hammer



Drop forged from high grade steel and carefully heat treated. This tire and rim hammer is specially designed for all types of work where such a tool is needed. Weight, 3 lbs. Length overall, 16".

No. HCI Hub Cap Remover



The new Hub Cap Removing Tool proves indispersable for servicing many of the late passenger cars and light truck models. Frevents chipping of lacquer and eliminates the possibility of damaging the popular accessory side walls. To operate simply place the blade under the hub cap lip and pull on the handle. Complete with rubber face pad and grip. This new tool will be a fast seller to the Dealer and Tire Trade. Overall length 15½". Approx. weight 1½ lbs.

No. 842 Drain Plug Wrench



A sturdy, well cast Wrench to service practically all cars. Nickel plated.

No. 2626 Drain Plug Wrench



Designed especially for removing and replacing the drain plug on 1939 Fords and Mercurys.

Has 2" double hexagon opening, head offset 20", 10-3/4" long. Made of Bonaloy Steel, Chrome plated.

GRAY-BONNEY MISCELLANEOUS TOOLS

No. 2628 Adjustable Hack Saw Frame



A sturdily built hack saw frame with comfortable hard rubber pistol grip handle. Adjustable from 8" to 12". Full nickel finish.

High Speed Steel Hack Saw Blades

These HIGH SPEED blades are made from the finest steel obtainable, and will give the utmost in service under the most exacting conditions. Due to careful heat-treating they are extremely flexible, thus ensuring long life and protection against break-

No.	Width	Length	Gauge	Teeth per inch
HS1018	9/16"	10"	.025	18
HS1024	9/16"	10"	.025	24
HS1032	9/16"	10"	.025	32
HS1218	9/16"	12"	.025	18
HS1224	9/16"	12"	.025	24
HS1232	9/16"	12"	.025	32

Tungsten Alloy Steel Hack Saw Blades

An excellent alloy steel blade that will give good service under all conditions,

No.	Width	Length	Gauge	Teeth per inch
TA1018	1/2"	10"	.025	18
TA1024	1/2"	10"	.025	24
TA1032	1/2"	10"	.025	82
TA1218	1/2"	12"	.025	18
TA1224	1/2"	12"	.025	24
TA1232	1/2"	12"	.025	32

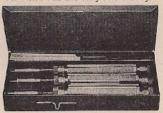
No. 70 Gasket Cutter Set



This set consists of seven circular socket type cutting knives complete with 4-1/4" lock-on drive shaft. These cutters will do a host of cutting operations. They are ideal for cutting holes or intricate ations. They are ideal for duting noises of indicate patterns in gaskets, linoleum or rubber mats. Cutter sizes range from 7/32" to 1/2". All pieces are hardened and plated. Supplied in small wood box.

No. L0200 Honing Set

For Piston Pins and King Bolt Bushings



No. L0200 Complete set as illustrated, consisting of 3 Hones with coarse abrasives mounted, 9 coarse refills (3 sets), one set of shims (3), and one set of burnishers (3), range 3/4" to 1.115". Each tool has 1/8" expansion, 1/16" with the blades resting solid in the grooves and 1/26" more with a set of shims under the blades.

No. L0201—Coarse abrasives (1 dozen). No. L0201F—Fine abrasives (1 dozen). No. L0202—Set of three burnishers. No. L0203—Set of three shims.

Holding Tools

For starting screws, in-serting and removing small washers, pins and similar objects, this tool is invaluable. The two spring steel fingers are forced open by pressure on the



pressure is released, jaws grip object firmly. This tool is finished in attractive nickel plate, and will be a useful ad-dition to any tool kit. For starting pan screws on Chevro-let, the No. K8 is unequalled.

No.	Reach	Length
K4 K6	3"	5-3/4" 8-3/4"
K8	10"	12-3/4"

Magnetic Pick-Up Tools

Tool No. Length 27" extended

The larger tool (K2) has a telescope type extension handle. These extremely useful tools have a powerful magnet in the hinged end. They are designed for extracting metal objects from tight places and work equally well on screws, washers, nuts, bolts, taper pins, valve pins, etc.

GRAY-BONNEY SCREW DRIVERS



Gray-Bonney Square Shank Screw Drivers are made with forged onepiece blades, from special alloy steel, carefully heat treated over their entire length. The handles are of the popular transparent type, which combines toughness and durability with attractive appearance. Screw drivers in the square series are primarily designed for strength and are confidently recommended for heavy work. Blades are formed with an upset shoulder, against which the handles are forced, and the method of anchoring the shank eliminates the possibility of loose handles.

No.	Length of Blade	Width of Tip	Overall Length
S04	4"	5/16"	7-3/4"
S06	6"	7/16"	10-1/4"
S08	8"	1/2"	12-3/4"
S012	12"	1/2"	17-1/2"

Guarantee - Screwdrivers

Screwdriver Blades are heat treated throughout; broken blades can be reground or returned to factory for regrinding. We cannot accept responsibility for screwdrivers which have been abused.

Electricians'

Gray-Bonney Electricians' Screw Drivers are designed with the care and precision so necessary in screw drivers of this type. The blades are forged from special alloy steel, and are heat treated over their entire length. All drivers, regardless of length, are made from 3/16" stock, which makes them invaluable for reaching hard-to-get-at-screws. The handles are made of tough transparent composition, and are non-conductors of electricity.

No.	I.ength of Blade	Width of Tip	Overall Length
003	3"	3/16"	6-1/2"
006	6"	3/16"	9-1/2"
0010	10"	3/16"	13-1/2"

Round Shank

Gray-Bonney Round Shank Screw Drivers are somewhat lighter than the square type, and are ideal for automotive mechanics. They are made with blades ranging from 4" to 12", and all tips are taper ground, with the entire length of the blades finely polished. The handles are made of moulded composition, and in addition to being extremely durable, are designed to give the user a secure yet comfortable grip. The blade is forged from alloy steel and carefully heat treated over its entire length.

These screw drivers are ideal for electrical work as the handles are non-conductors of electricity.

No.	Length	Width	Overall
	of Blade	of Tip	Length
04	4°	1/4"	7-3/4"
06	6°	5/16"	10-1/4"
08	8°	3/8"	13"
012	12°	7/16"	17-1/2"

Care of Sciewdrivers

We frequently receive screwdrivers for grinding which have been used where a tire iron or chisel would have been more suitable. This practice does not save time and usually results in spoiling a good screwdriver.

Wood Handle

Gray-Bonney Wood Handle Screw Drivers are made with the same high grade materials as used in the more expensive drivers. Blades are forged from alloy steel, and are securely anchored in the handles, which are of selected hardwood and beautifully finished.

Tips are taper ground, and the fluted handles give a firm yet comfortable grip. These serew drivers are ideal for mechanics, carpenters and electricians, and are excellent value.

No.	Length of Blade	Width of Tip	Overall Length
W03	3"	7/32"	7-1/4"
W04	4"	1/4"	9"
W06	6"	5/16"	11-3/4"
W08	8" -	3/8"	14-1/2"
W010	10"	7/16"	16-1/2"

GRAY-BONNEY SPECIAL SCREW DRIVERS



Phillips' Screw Drivers

Wood Handle

Phillips' screws are rapidly becoming very popular, and every mechanic should have one or more screw drivers of this type. The sizes listed below will take care of all screws. Blades are forged from alloy steel, and are carefully heat treated. The handles are of hardwood, and attractively finished. Not guaranteed.

No.	Bla	de	Overall	Fits Phillips Screws	
140.	Length	Diam.	Length	rita rampe corewa	
WP1 WP2 WP3 WP4	3" 4" 6" 8"	9/64" 1/4" 5/16" 3/8"	8-3/4"	No. 4 and smaller No. 5 to No. 8 inc. No. 10 to No. 16 inc. No. 18 and larger	

For the mechanic who needs a full set, No. WP Set contains one of each above size. Packed in cardboard box.

Phillips' Screw Drivers

Composition Handle



Where extreme strength is required, these new Phillips' Screw Drivers will be ideal. They have the popular transparent handles, with the blades securely anchored to prevent turning. Not guaranteed.

No. BI		ade	Overall	Fits	
	Diam.	Length	Phillips Screws		
CP1 CP2 CP3	3" 4" 6"	9/64" 1/4" 5/16"	6" 7-3/4" 10-1/4"	4 and smaller 5 to 9 Inc. 10 to 16 Inc.	
CP4	8"	3/8"	11"	18 and larger	

Short Phillips' Screw Drivers

For cramped quarters — in tightening wind-shield mouldings and on similar jobs—that cannot be reached with regulation length

screw drivers, these short screw drivers will be found convenient. Of quality equal to regulation length wood handle screw drivers for Phillips' Screws. Not guaranteed.

No.	Blade		Fits Phillips	
No.	Length	Diameter	Screw	
SP1 SP2	1"	9/64"	No. 4 and Smaller No. 5 to No. 9 Inc.	

No. 0672 Offset Screw Driver Set



The Offset Screw Drivers illustrated are well adpeted for work in the "hard-to-get-at" places and are well suited for ignition, carburetor, generator and starter work. Forged from selected alloy steel, correctly hardened and tempered to withstand strain. Can be purchased singly or in complete sets of three in leatherette roll, as illustrated.

No. 0672 Set in Roll.

No.	Size Stock	Length
0699	1/4"	4"
0671	1/4" 3/8"	6"
0673	1/2"	7"

ROBERTSON SCREW DRIVERS-Wood Handles

The extensive use of Robertson screws makes it necessary for all mechanics to own a set of Robertson Screw Drivers. Hand Drivers may be distinguished by the different color handles, Green for the No. 1 or smallest point; Red for No. 2 or medium point; and Black for No. 5.

Chart showing sizes of various Socket Screws Driven by each driver

					Self	Self Tapping
A (18765)	Stubby		Wood Screws	Machine Screws	Tapping Type "C"	Rd. of Binding flat Head oval head
Green	*RB121	RB1 8¼*L	4, 5 & 6	86	86	#6&7 #6,7&8
Red	#RB122	RB2		EV 5 10	88 & 10	#8 & 10 #10
Binek	*RB123	RB3 936* L.	10, 12 &14	#12 & 14	#12 & 14	\$12 & 14\$12 & 1



Stubby Type



Regular Type



GRAY-BONNEY SPECIAL SCREW DRIVERS

No. 001 Pocket Size



very handy screw driver for the mechanic. Clip for holding driver in pocket supplied with each driver. Blade heat treated and handle non-conducting composition. Tip 1/8", length 2". Not guaranteed.

No. 00A Midget

A tiny screwdriver that is ideal for use on deli-cate electrical and ignition apparatus. The blade is only 1-1/2" long with a 1/16" tip, with an overall length of 2-7/8". Handle is of non-conductor type. Not guaranteed.

No. E02 Neon Tube Pocket Type



Neon Tube in the handle for testing spark plugs; a tough composition handle that is a non-conductor of electricity, a magnetized tip; and a strong pocket clip. The blade is made of alloy steel and is firmly anchored in the handle. Length of blade, 2-1/4"; width of tip, 1/8". Not guaranteed.

No. E03 Neon Tube Electrical Type



most useful tool for automotive and electrical a. Built to stand hard usage. Has Neon Tube in work. handle.

When testing spark plugs, a brilliant orange fash shows plug is O.K. Completely shorted plugs produce no flash. A stringy flash shows plug is partly fouled. Size, 3"; width of tip, 3/16". Not guaranteed.

Extra Neon Tubes can be supplied.

NOTE—Owing to the delicate construction of the blades in 001, 00A, E02 and E03 drivers and the Neon Tubes in E02 and E03, they are not guaranteed against breakage.

Adjusting



This short, sturdy screw driver is invaluable for work in confined spaces and on overhead tappet ad-justments. The blade is formed from alloy steel and carefully heat treated.

No.	Length	Width	Overall
	of Blade	of Tip	Length
S01 S02	1-3/4"	1/4"	3-3/4" 2-3/4"

Hold-E-Zee Screw Drivers



Hold-E-Zee Screw Drivers will hold screws firmly, and will save much valuable time. Handles are of tough composition, with blades carefully heat treated.

No.	Blade Size	Overall Length
R2	5/32" x 2"	4-3/4"
R3	5/32" x 3"	5-3/4"
TR4	5/32" x 4"	7-1/4"
TR6	5/32" x 6"	9-5/8*
TR8	5/32" x 8"	11-5/8"
TR10	5/32" x 10"	13-5/8°
TC2	7/32" x 1-3/4"	4-1/4"
TS4	7/32" x 4"	8-1/4"
TH6	5/16" x 6"	9-3/4"
TS7	7/32" x 7"	11-1/4"
TH8	5/16" x 8"	12-7/8"

Hold-E-Zee D17 Merchandiser

This popular attractive Display Stand is an ideal counter type merchandiser. It was created as an aid to dealer sales and contains the following fast selling Hold-E-Zee screw drivers"

Front Panel—1 each RH2, TR4, TR6, TR8, TS4, TS7 and TH6. Back Panel stock consists of ten screw drivers—two each of RH2, TR4, TR6, TS4 and TS7.

Clutch Head Screw Drivers

Made of alloy steel carefully heat treated to withstand severe usage. Handles are of transparent, non-conducting composition.



GRAY-BONNEY HAMMERS AND BODY AND FENDER TOOLS



Gray-Bonney No. 212 Series Ball Pein Hammers are drop forged from selected steel and carefully leat treated. The handles are of straight grain hickory, securely fastened in the head, with our special iron S wedge. The No. 212 Series have head, pein and sides polished, with the balance finished in black enamel.

No.	Weight	Replacement Handle No.	
212	3 Lbs. 2-1/2 "	7	
212A	2-1/2 "	6	
212C		5	
212E	1-1/2 "	4	
212G 212H		3	
2121	0/4	3	
212J	8 02.	3 2 2	
212K	4 "	1	

Multi-Head Hammer



This hammer is designed so that the changing of faces is a matter of seconds. The head is made of forged steel carefully machined, so that the heads are locked firmly in position. The hammer comes complete with five tips: Pyralin, copper, lead, rubber and composition.

No. PH5M-Complete with tips.

No. PHP-Extra Pyralin tip.

No. PHR extra rubber tip.

No. PHB-Extra composition tip.

No. PHL-Extra lead tip.

No. PHC-Extra copper tip.

Bumping Hammer



No. PH22—This hammer has polished faces and black body. Head, 4-1/4" long. Round face, 1-1/4" in diameter. Square face, 1-1/4" square, Overall length, 12" Weight, 14 ozs. Replacement Handle No. 2.

Soft Face Hammers



Gray - Bonney Soft Face Hammers are useful for fitting piston pins and similar jobs, and for body

and fender work. The tips are of a tough, ambercolored composition material that will not mar a finely finished surface. New tip may be attached by turning the old one loose with a pipe wrench and pressing on the new tip. The hammer is properly balanced and the hickory handle is securely locked in the head.

No.	Weight
*PH18	1/4 lb. 1/2 lb.
PH15	1/2 lb.
PH20	1 1b.

*Supersedes PH17.

Extra Tips are available for all hammers. To order, simply specify number of hammer.

Light Bumping Hammer



No. PH23 — A light weight finishing hammer with head having polished faces and black body. Head, 4" long.

Round face, 1-1/4" in diameter. Square face, 1-1/8" square. Overall length, 11-1/2". Weight, 9 ozs. Replacement Handle No. 3.

Dinging Hammer



No. PH24—A finishing hammer with faces crowned and polished; body of head finished in black, Head, 6" long. Large face, 1-5/8" diameter. S m all

face, 1-1/4" diameter. Overall length, 12". Weight, 13 czs. Replacement Handle No. 3.

Light Dinging Hammer



No. PH25 — A sturdily made, light weight finishing hammer. Head 6-1/2" long. Large face 1-1/4" square. Small face, 1-1/16" in diameter, Overall

length, 11-1/2". Weight, 10 ozs. Replacement Handle No. 3.

GRAY-BONNEY BODY AND FENDER TOOLS

Special Bumping Hammer



No. PH26 — The head is drop forged with bullet shaped end which makes it easy to remove small dents. Face of the

head is polished with body finished in black. Strong hickory handle. Head, 4" long. Weight, 7 ozs.

Upholsterers' Magnetic Hammer



No. PH27—Head is polished all over and one end is magnetized. Head is 5-1/2" long. Overall length 12". Weight, 7 ozs.

Fender Bumper Mallet



No. PH30— Has rubber composition head which excels hickory for durability. It will not

shatter, chip or split. Handle is of hickory. Head 2-1/2" in diameter, 4-1/2" long. Handle is 11-1/2" long. Weight 1-3/4 lbs.

Regular or Toe Dolly Block



No. F2:-Drop forged of selected steel and full surface ground and polished. Length, 4-3/4". Width, 2-1/4". Thickness, 1-1/16". Weight, 2-1/2 lbs.

Heel Dolly Block



No. F3—Drop forged of steel most suitable for this type tool. Full surface ground and polished. Length, 2-1/2". Width, 3-1/8". Thickness, 1-1/2". Weight, 2-1/4 lbs.

Bar Dolly



No. F4—Drop forged steel and full surface ground and polished. Length, 4-1/4". Width, 2". Thickness, 1-1/2". Weight, 3 lbs.

Wedge Dolly Block



No. F5—Especially designed for work on turret tops. Drop forged of selected steel, with working surfaces highly polished. Length, 5". Width, 2-1/2". Weight, 2-1/2 lbs.

General Purpose Dolly Block



No. F6-Full surface ground and polished. Weight, 3 lbs. Drop forged steel.

Budd Dolly Block



No. F7.—Drop forged of selected steel. Full surface ground and polished. Its curved surfaces are designed so that it will take care of any repair on a Budd body. Each block is carefully gauged after it is polished to insure correct radii of the curves. Weight, 3 bs.

Small Hand Hold Dolly



No. F10-Working surfaces are ground and polished. Weight, 2-1/4 lbs.

GRAY-BONNEY BODY AND FENDER TOOLS

Large Hand Hold Dolly



No. F12—Working surfaces are ground and polished. Weight, 3-1/2 lbs.

Special Door Panel Spoon



No. F13—In addition to work on door panels, this spoon will be found handy for working on the quarterdeck of turret tops and between the headlining strainer and roof panels. It is also handy for work between the fender bracket and fender metal where a dolly block can't be used.

Blade is 2-1/4" wide, 5-1/2" long. Handle is 7/8" diameter. Weight 23 ozs.

Wide Body Spoon



No. F15—Blade ground and polished. Dimensions of blade: 2-1/16" wide, 5" long. Overall length, 10-1/2". Weight, 1 lb.

Panel Spoon



No. F16—Used in general body repair work and on turret tops. Forged of selected steel with polished working surfaces. Blade 2-1/4" wide, 6-1/4" long. Overall length, 11-1/4". Weight, 22 ozs.

Flat File Holder



No. F24—This inexpensive file holder, for the regular 14" flat file has long proved very popular with body workers. It is light in weight, yet has the strength of a metal holder. The comfortably shaped hand grip and perfect balance give the operator perfect control, resulting in quick satisfactory work.

Flexible Body File

No. F25—The application of the milling cutter principle to body files has produced a file that will last longer and do better work. Each tooth is individually milled, and the U shaped groove provides maximum clearance allowing the ribbon like shavings to be cleared quickly and easily. The elimination of packing and loading is a feature of this new file, and the teeth will maintain their razor like sharpness several times as long as the old V tooth file. Overall length, 14".

File and Holder Set

Holder Supplied Free

No. F26—For the shop using the F25 14" file, this combination will prove to be excellent value. Six general purpose 14" files and a No. F24 Holder for the ordinary cost of the files.

Adjustable File Holder



No. F31—Can be used on 12" and 14" files. This holder is strongly made, yet is light and handy. Can be adjusted for curving the file either outward or inward.

GRAY-BONNEY BODY AND FENDER SETS

FBIO Set Approx. Weight 38 lbs. Contains 10 Pieces



A compact set of body and fender tools suitable for taking care of the minor bumps which the average shop is called on to straighten out. Contains 10 pieces packed in an attractively finished metal case measuring 21" x 7" x 6".

No.	Description			
F2	Regular or Toe Dolly Block			
F3	Heel Dolly Block			
F4	Bar Dolly			
F6	General Purpose Dolly Block			
F10	Small Hand Hold Dolly			
F25	Flexible Body File			
F31	Adjustable File Holder			
PH22	Bumping Hammer			
PH24	Dinging Hammer			
PH26	Special Bumping Hammer			

FB14 Set Approx. Weight 45 lbs. Contains 14 Pieces



Contains 14 essential pieces for body and fender repair work. Packed in a strong, attractively finished metal box with removable tray, padlock hasp and carrying handle. The box is sufficiently large to take care of tools you may have on hand or wish to add later. It measures 21" x 7" x 6".

No.	Description
F2	Regular or Toe Dolly Block
F3	Heel Dolly Block
F4	Bar Dolly
F5	Wedge Dolly Block
F6	General Purpose Dolly Block
F12	Large Hand Hold Dolly
F13	Special Door Panel Spoon
F16	Panel Spoon
F25	Flexible Body File
F31	Adjustable File Holder
PH22	Bumping Hammer
PH24	Dinging Hammer
PH25	Light Dinging Hammer
PH26	Special Bumping Hammer

FB19 Set

Contains 19 Pieces

Approx. Weight 54 lbs.



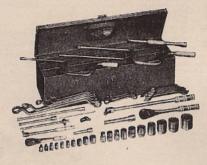
A complete set of fender hammers, dollies, spoons files, etc., for the specialist in body and fender repair work. Each tool has been carefully selected so that any job can be done with speed and thoroughness. Packed in attractive metal chest with tote tray and strong padlock hasp. Chest size, 21" x 7-1/2" x 8-1/8".

No.	Description			
F2	Regular or Toe Dolly Block			
F3	Heel Dolly Block			
F4	Bar Dolly			
F5	Wedge Dolly Block			
F6	General Purpose Dolly Block			
F7	Budd Dolly Block			
F10	Small Hand Hold Dolly			
F12	Large Hand Hold Dolly			
F13	Special Door Panel Spoon			
F15	Wide Body Spoon			
F16	Panel Spoon			
F25	Flexible Body File			
F31	Adjustable File Holder			
PH22	Bumping Hammer			
PH23	Light Bumping Hammer			
PH24	Dinging Hammer			
PH25	Light Dinging Hammer			
PH26	Special Bumping Hammer			
PH27	Upholsterers' Magnetic Hammer			

GRAY-BONNEY BRITISH SIZE OPENINGS

Gray-Bonney Engineers' Wrenches, Socket Sets and Box Wrenches are available with B.S.F. and Whitworth size openings. The increasing use of cars, trucks, motorcycles and other mechanical devices of British origin make tools of this type a necessity. All are processed from the finest alloy steels, designed and finished to assure maximum user satisfaction.

WB 49
Combination
Set
"BRITISH SIZES"



49 Pieces

- 20 Double Hexagon Sockets
- 15 Handles and attachments
- 8 Box Wrenches
- 6 Engineers' Wrenches

This WB49 Set has been created to meet the requirements of mechanics responsible for the maintenance of cars, trucks and other mechanical equipment built to British specifications. It is a general purpose set, contained in a metal chest measuring 21" x 7" x 6".

Contains the following 49 Pieces:

No.	Wh	itworth E	olt Size
W1	4BA		ex. Socket
IW2	3BA	"	"
MW3	2BA	11	"
MW4	1/8"	"	11
MW5	1BA	11	"
MW6	OBA	- 11	"
MW7	3/16"	11	"
MW8	1/4"	"	- 11
MW9	5/16"	11	"
MW10	3/8"	- 44	"
3		sal Joint	
T36		T Handl	e
T5	11" Ex	tension	
F4	6"	"	
Г31	3"	**	
Г9	Speed Handle		
Г30	10" Flex Handle		
Г32	Cross	Bar	
T35	Reversible Ratchet		

1/2"	Square	Drive

No.	W	hitworth	Bolt	Size
W155 W156	3/16"	Double	Hex.	Opening
W157	5/16"	- 11		11
W158	3/8"	- 4		**

1/2"	Square	Drive—Continued
------	--------	-----------------

No.	Whitworth Bolt Size
W159 W160 W161 W162 W163 W164	7/16" Double Hex, Opening 1/2" " 9/16" " 5/8" " 11/16" " 3/4" "
718 719A 653 655 686 4897	5" Extension 10" Swivel Grip Extension 16" Flex Handle Cross Bar 19" Speeder Reversible Ratchet

Also included

Engineers' Wrenches.—Set of six wrenches as contained in WB6 on page 51.

Long Box Wrenches—Double Offset.—Set of five wrenches as contained in WB95 Set on page 51.

Short Box Wrenches-Double Offset.-Set of three wrenches, W176, W177, W178, as shown on page 51.

No. WB49 Set containing 49 pieces comes complete in steel chest as illustrated. Chest measures 21" x 7" x 6".

GRAY-BONNEY BRITISH SIZE OPENINGS SOCKET WRENCHES

Gray-Bonney Sockets, Handles and Attachments used in British size sets are of the same high quality so characteristic of the entire Gray-Bonney line. The sockets are of the thin wall type and are forged from the finest alloy steel. All pieces are fulshed in lustrous chrome.

WB12 British Size Socket Set

1/2" Sq. Drive



This Spinner Set includes all sockets as contained in Set No. WB16 illustrated below. It also contains a 15" flexible handle No. 653 and Cross Bar No. 655.

WB16 British Size Socket Set



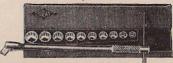
The sockets and handles in this set are all 1/2" square drive. The sockets are of the straight thin wall type, and range in size from 29/64" to 1-19/64" nominal openings. All parts are forged from high grade alloy steel and are attractively nickel plated.

This set in steel box (as illustrated) contains all the sockets and attachments listed below.

No.	Whi	tworth B	olt Size
W155	3/16" I	onble He	x. Socket
W156	1/4"	11	"
W157	5/16"	**	- 11
W158	5/16"	"	- 66
W159	7/16"	**	**
W160	1/2"	11	- 11
W161	9/16"	"	"
W162	5/8"	- 11	
W163	11/16"	11 %	44
W164	3/4"	11	"
653	15" Spi	nner Han	dle
655	Cross E	ar	
686	19" Spe	eder	
718 .	5" Exte	nsion	
719A	10" Swi	vel Grip	Extension
4897	Reversi	ble Ratch	et

WB312 British Size Socket Set

3/8" Sq. Drive



This handy little set contains all the sockets in the WB19 set illustrated below, together with the T30 flex handle and T32 cross bar. In steel box as illustrated.

WB19 British Size Socket Set



The sockets are extra thin with straight walls, and all handles are extremely light and easy to handle. The reversible ratchet with this set is of the highest quality, and can be used with 1/4" drive sockets by the use of a 1/4" drive connector. In steel box as illustrated.

The following sockets and handles are included:

No.	Whi	tworth Bo	t Size
MW 1		Double Hex	. Socket
MW 2 MW 3	3 BA 2 BA	"	"
MW 4	1/8"	"	
MW 5	1 BA	"	11
MW 6 MW 7	0 BA	"	- 4
MW 8	3/16"	"	**
MW 9	5/16"	ie	"
MW10	3/8"	"	"
T3 T36		al Joint T Handle	
T5	11" Ext	ension	
T4	6"	11	
T31	3"	"	
T9	Speed F		
T30		x Handle	
T32 T35	Cross B	ar ble Ratche	

GRAY-BONNEY BRITISH SIZE SOCKET WRENCHES

Gray-Bonney Sockets and Wrenches for British sizes are manufactured with extreme care and precision. A complete set should be available in every shop to service the many types of British cars, trucks, aircraft and other popular equipment.

HDW14 British Size Socket Set 3/4" Sq. Drive

Packed in Strong Metal Carrying Case

A Heavy Duty Set designed to service Heavy Equipment

CONTENTS

No.	w		S.W." n Bolt Si:	ze	No.	w		S.W." n Bolt Siz	se	No.	Attachments Description
WH160 WH161 WH162 WH163 WH164 WH165	1/2" 9/16" 5/8" 11/16" 3/4" 13/16"	Double	Hexagon " " "	Socket	WH166 WH167 WH168	7/8" 15/16"	Double "	Hexagon "	Socket "	88	Sliding T Handle 8" Extension 15-1/2" Extension 19" Ratchet Ratchet Connector

Sockets with British Size Openings

1/4" Sq. Drive

W153 Fits 1/4" B.S.F. and 3/16" B.S.W.

W154 Fits 2BA

3/8" \$q. Drive Double Hexagon Type

No.	Nom. Open.	Whitworth	B.S.F.
MW 1	1/4"	4BA	
MW 2	9/32"	3BA	
MW 3	21/64"	2BA	
MW 4	11/32"	1/8"	
MW 5	23/64"	1BA	
MW 6	13/32"	0BA	
MW 7	29/64"	3/16"	1/4"
MW 8	17/32"	1/4"	5/16"
MW 9	39/64"	5/16"	3/8"
MW10	23/32"	3/8"	7/16"

1/2" Sq. Drive Double Hexagon Type

No.	Nom. Open.	B.S.W.	B.S.F.
W152 W155 W156 W157 W158 W159 W160 W161 W162 W163 W164	13/32" 29/64" 17/32" 39/64" 23/32" 53/64" 59/64" 1-1/64" 1-13/16" 1-19/64"	O.B.A. 3/16" 1/4" 5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4"	1/4" 5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16" 3/4" 7/8"

1/2" Sq. Drive Extra Deep Double Hexagon Type

No.	Nom. Open.	B.S.W.	B.S.F.
WL154 WL155 WL156 WL157 WL158 WL159 WL160 WL161 WL162	11/32" 29/64" 17/32" 39/64" 23/32" 23/64" 59/64" 1-1/64"	1/8" 3/16" 1/4" 5/16" 3/8" 7/16" 1/2" 9/16" 5/8"	1/4" 9/32" & 5/16" 3/8" 7/16" 1/2" 9/16" 5/8" 11/16"

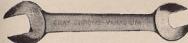
Above sockets 3-1/4" overall length.

3/4" Sq. Drive Double Hexagon Type

No.	Nom. Open.	B.S.W.	B.S.F.
WH160	59/64"	1/2"	9/16"
WH161	1-1/64"	9/16"	5/8"
WH162	1-7/64"	5/8"	11/16"
WH163	1-13/64"	11/16"	3/4"
WH164	1-19/64"	3/4"	7/8"
WH165	1-25/64"	13/16"	15/16"
WH166	1-31/64"	7/8"	1"
WH167	1-37/64"	15/16"	
WH168	1-43/64"	1"	1-1/8"

GRAY-BONNEY BRITISH SIZE OPENINGS

British Size Open End Wrenches



Grav-Bonney Engineers Wrenches with British Gray-Bonney Engineers Wielcies with breast openings are correctly designed and combine light-ness with strength and durability. They are drop forged from Chrome-Vanadium alloy steel, carefully heat treated and attractively plated, with buffed heads.

No.	Nominal Open.	B.S.W.	B.S.F.	Length
W775	11/32 & 29/64	1/8 & 3/16	1/4	5
W781	21/64 & 29/64	2BA & 3/16		5
W774	29/64 & 17/32	3/16 & 1/4	1/4 & 5/16	6-1/4
W782	17/32 & 39/64	1/4 & 5/16	5/18 & 3/8	7
W776	39/64 & 23/32	5/16 & 3/8	3/8 & 7/16	8
W783	23/32 & 53/64	3/8 & 7/16	7/16 & 1/2	8
W784	53/64 & 59/64	7/16 & 1/2	1/2 & 9/16	9
W793	59/64 & 1-1/64	1/2 & 9/16	9/16 & 5/8	10-3/4
W794	1-7/64 & 1-19/64	5/8 & 3/4	11/16 & 7/8	12 .
W795	1-1/64 & 1-7/64	9/16 & 5/8	5/8 & 11/16	10-3/4
W796	1-19/64 & 1-31/64	3/4 & 7/8	7/8 & 1	13-1/2
W797	1-31/64 & 1-43/64	7/8 & 1	1 & 1-1/8	15-1/2

British WB6LR Engineers' Wrench Set

This set includes wrenches to service most popular British sizes. Content includes W781, W782, W788, W784, W774 and W776. The size of milled openings may be determined by referring to chart above. Supplied in leatherette roll,

British Size Tappet Wrenches

No.	B.S.W.	B.S.F.
W122 W122A W124	1/8" x 3/16" 3/16" x 1/4" 5/16" x 3/8"	3/8" x 7/16"

British No. W4T Tappet Set This set includes two No. W122 and two No.

W124 complete in leatherette roll.

British Size Ignition Wrenches

The WE Series Miniature Ignition Wrenches listed below are similar to the E series on page 24. They are drop forged from alloy steel, heat treated and chrome plated with polished heads.

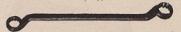
No.	Nominal Opening	Whitworth
WE01	13/32" & 23/64"	0BA & 1BA
WE10	23/64" & 13/32"	1BA & 0BA
WE23	21/64" & 9/32"	2BA & 3BA
WE32	9/32" & 21/64"	3BA & 2BA
WE45	1/4" & 7/32"	4BA & 5BA
WE54	7/82" & 1/4"	5BA & 4BA
WE67	3/16" & 11/64"	6BA & 7BA
WE76.	11/64" & 3/16"	7BA & 6BA

British No. WE8 Ignition Set

The WES set contains one each of all WE series ignition wrenches listed above. Supplied in a leatherette roll.

British Size Box Wrenches

Long Type



This new series of Gray-Bonney Box Wrenches with British size openings should be in every tool kit. The usefulness of this type of wrench has long set. The usefulness of this type of wrench has long been appreciated by mechanics, and their ability to reach hard to-get-at places is unequalled. The offset heads (with different opening at each end) and the cleanly broached 12 point openings make them ideal for practically every job. These wrenches are drop forged from Chrome-Vanadium alloy steel, and are light in weight, they will stand up under the most exacting conditions. They are attractively plated with polished heads and panels.

No.	Nom. Opening	Whitworth	B.S.F.
W70	21/64 x 13/32	2BA x 0BA	7/32
W71	11/32 x 29/64	1/8 x 8/16	1/4
W72	17/32 x 39/64	1/4 x 5/16	5/16 x 3/8
W73	39/64 x 23/32	5/16 x 3/8	3/8 x 7/16
W77	53/64 x 59/64	7/16 x 1/2	1/2 x 9/16
W79	1-1/64 x 1-7/64	9/16 x 5/8	5/8 x 11/16
W187	1-7/64 x 1-19/64	5/8 x 3/4	11/16 x 7/8
W189	1-31/64 x 1-43/64	7/8 x 1	1 x 1-1/8

British Box Wrench Sets-Long Type

The WB96 Set contains six wrenches W70 to W79, with a range of British sizes from 2BA to 5/8" Whitworth, and 7/32" to 11/16" B.S.F. The set comes complete in heavy fibre box.

WB95 Set contains five wrenches W71 to W79 inclusive, with openings from 1/8" to 5/8: Whitworth and 1/4: to 11/16: B.S.F. Packed in fibre box.

British Short Type Box Wrenches

Both Ends Offset

Different Opening in Each End



These handy short type box wrenches are ideal for getting into confined spaces. The heads are correctly offset with 12 point openings and plated.

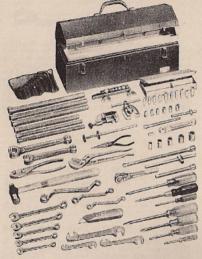
No.	Nom. Opening	Whitworth	B.S.F.
W176 W176A W177 W178 W179	11/32 x 29/64 21/64 x 29/64 17/32 x 39/64 39/64 x 23/32 23/32 x 53/64	2BA x 3/16 1/4 x 5/16 5/16 x 3/8	5/16 x 3/8 3/8 x 7/16

British WB190 Box Wrench Set

The WB190 Set is made up of one each of Nos. W176, W177, W178 and W179. Packed in cardboard box.



GRAY-BONNEY REFRIGERATION SOCKET WRENCH SET



Packed in metal tool box, the contents are as follows

				04	
No.	Description	No.	Description	06	
WIILR RF80	In leatherette roll. Page 25 In small metal box. Page 53		COMBINATION (TU- TYPE) WRENCHES	CP2	
	3/8" SQ. DRIVE SOCKETS AND ATTACHMENTS	3114	3/8" Openings 7/16" Openings	CP3	
T4	Extension, 6" long	3116	1/2" Openings		
T5	Extension, 11" long	3118	9/16" Openings 5/8" Openings	-	1
T14	7/16" Double Hex. Socket	0120	5/8 Openings	RF46	
T16 T18 T20	1/2" Double Hex, Socket 9/16" Double Hex, Socket 5/8" Double Hex, Socket		RIGHT ANGLE WRENCHES	RF54	-
T22 T35 T36	11/16" Double Hex, Socket Reversible Ratchet Sliding "T" Handle,	2723 2725B 2729RA	3/8" & 7/16" Openings 1/2" & 9/16" Openings 5/8" & 3/4" Openings	RF55	
156	DOUBLE OFFSET BOX WRENCHES	2/25KA	TUBE BENDERS	RF59	-
2384	3/8" & 7/16" Short Type, Dble, Hex. Opening	RF60 RF61	For 1/4" tubing For 5/16" tubing	K6	
2386	1/2" & 9/16" Short Type, Dble. Hex. Opening	RF62 RF63	For 3/8" tubing For 7/16" tubing	212-1	
2388	5/8" & 3/4" Short Type, Dble. Hex. Opening	RF64 RF65	For 1/2" tubing For 5/8" tubing	199	1

RF85 Set - 73 Pieces

Weight 25 Lbs.

The RF85 Set is designed particularly for refrigeration mechanics and service men. It is a complete set and consists of special refrigeration tools, an assortment of sockets and attachments, combination wrenches and other necessary service tools.

PLIERS

654

Description

Long Nose Side Cutting, 6"

	B8	Heavy Duty Slip Joint, 8"
	258	Pump Plier, 11"
1000		SCREW DRIVERS
	001	Pocket Size, Composition
		Handle, 2" blade
	003	Electricians', Composition
		Handle, 3" blade
	04	Round Shank, Composition
		Handle, 4" blade
	06	Round Shank, Composition
		Handle, 6" blade
-	CP2	For Phillips Screws Nos. 5
		to 9 inclusive
	CP3	For Phillips Screws Nos. 10
		to 16 inclusive
		Missen I Amore
		MISCELLANEOUS
	RF46	Flaring Tool for 1/4", 5/16",
		3/8", 1/2", 5/8" tubing
	RF54	Flare Nut Wrench, 3/4" &
s		1" openings
rs	RF55	Flare Nut Wrench, 7/8" &
S		1-1/8" openings
	RF59	Tube Cutter for tubing
		from 1/8" to 1" O.D.
	К6	Handy Holding Tool,
		6" reach
15.3	212-1	Ball Pein Hammer,
		1/2 lb. Head
	199	Shop Knife
	199	Shop Itinie

GRAY-BONNEY REFRIGERATION SOCKET SETS

In this RF81 Set will be found practically all of the Sockets and Attachments, including the popular RF22 Ratchet, that the refrigeration service man will need on all ordinary jobs. In addition three thin wall, double hexagon special Refrigeration Box Wrenches are included. All are packed in a steel box which measures 15-7/8" L x 3-3/8" W x 1-3/4" D.

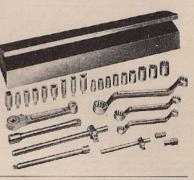
RF81 Set Content

No.	Description
V8	1/4" Hexagon Socket (1/4" Square Drive)
V9	9/32" Hexagon Socket (1/4" Square Drive)
V10	5/16" Double Hexagon Socket (1/4" Square Dr.)
VII	11/32" Double Hexagon Socket (1/4" Square Dr.)
V12	3/8" Double Hexagon Socket (1/4" Square Drive)
V14	3/8" Double Hexagon Socket (1/4" Square Drive) 7/16" Double Hexagon Socket (1/4" Square Dr.)
V17	Sliding "T" Handle, 4-1/2" long (1/4" Square Dr.)
V18	Extension 6" long (1/4" Square Drive)
T4	Extension, 6" long (3/8" Square Drive)
T16	1/2" Double Hexagon Socket (3/8" Square Drive)
T18	9/16" Double Hexagon Socket (3/8" Square Dr.)
T20	5/8" Double Hexagon Socket (3/8" Square Drive)
T36	Sliding 'T' Handle 8" long (3/8" Square Drive)
RF2	Valve Stem Socket (1/4" Male Drive)
RF3	Valve Stem Socket (1/4" Male Drive)
RF4	Valve Stem Socket (1/4" Male Drive)
RF5	Valve Stem Socket (1/4" Male Drive)
RF6	Packing Gland Nut Socket (1/4" Male Drive)
RF16	Packing Gland Nut Socket (1/4" Male Drive)
RF71	Packing Gland Nut Socket (1/4" Male Drive)
RF73	Packing Gland Nut Socket (1/4" Male Drive)
RF67	Kerotest Valve Packing Nut Socket (1/4" Male Dr)
RF49	
RF41	1/4" x 3/8" Adaptor
	Refrigeration Ratchet (1/4" Sq. Ratchet Opening)
2384	3/8" & 7/16" Double Hexagon Box Wrench
2386	1/2" & 9/16" Double Hexagon Box Wrench
2388	5/8" & 3/4" Double Hexagon Box Wrench

RF81 Set

Contains 28 Pieces

Weight 4 lbs. 9 ozs.



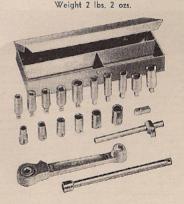
A new, up-to-the-minute, pocket size kit of Refrigerator Sockets and Ratchet for use on practically any repairs requiring tools of this type. All pieces are made of selected steels and heavily plated. One each of the following 20 pieces are packed in a sturdy metal box which measures 7½" x 3½" x 1½".

Content of RF80 Set

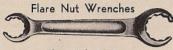
V8	1/4" Hexagon Socket (1/4" Square Drive)
V9	9/32" Hexagon Socket (1/4" Square Drive)
V10	5/16" Double Hexagon Socket (1/4" Sq. Dr.)
V11	11/32" Double Hexagon Socket (14" Sc. Dr.)
V12	3/8" Double Hexagon Socket (1/4" Sq. Dr.)
V14	7/16" Double Hexagon Socket (1/4" Sq. Dr.)
V17	Sliding 'T' Handle, 41/2" long, (1/4" Sq. Dr.)
V18	Extension, 6" long (1/4" Square Drive)
RF2	Valve Stem Socket (1/4" Male Drive)
RF3	Valve Stem Socket (1/4" Male Drive)
RF4	Valve Stem Socket (1/4" Male Drive)
RF5	Valve Stem Socket (1/4" Male Drive)
RF6	Packing Gland Nut Socket (1/4" Male Drive)
RF16	Packing Gland Nut Socket (1/4" Male Drive)
RF71	Packing Gland Nut Socket (1/4" Male Drive)
RF72	Packing Gland Nut Socket (1/4" Male Drive)
RF73	Packing Gland Nut Socket (1/4" Male Drive)
RF67	Kerotest Valve Packing Socket (1/4" Male Dr.)
RF49	1/4" x 1/4" Adaptor
RF22	Ratchet Handle (1/4" Sq. Ratchet Opening)

RF80 Set

Contains 20 Pieces



GRAY-BONNEY REFRIGERATION TOOLS



Open End-Box Type

These open end, box type wrenches have been designed especially for making flare nut adjustments. They are drop-forged of Bonaloy Steel, chromium plated with polished heads. They are long, thin and with panelled handles, permitting a firm, comfortable grip. Heads have double hexagon openings.

No.	Openings	S.A.E. Flare Size	Length
RF54A	3/4" & 7/8"	3/16", 1/4", 5/16" & 3/8"	8"
RF54	3/4" & 7/8" 3/4" & 1"	3/16", 1/4", 5/16" & 3/8" 3/16", 1/4", 5/16", 7/16" & 1/2"	8"
RF55A	7/8" & 1"	3/8", 7/16", 1/2"	9-1/2"
RF55	7/8" & 1-1/8"	3/8", 5/8"	9-1/2"



Open End-Box Type

Drop-forged of Bonaloy Steel these two wrenches are especially for copper tube fittings with 3/8", 7/16", 1/2" and 9/16" hexagon. The wrenches are fully chrome plated with polished heads, have panelled handles and

1/2' and 9/16 hexagon. The wrenches are fully chrome plated with polished heads, have panelled handles and double hexagon openings. No. 2618 is designed specially for the removal of the copper tubing flare nut on the back of the expansion valve on all Kelvinator models previous to the hermetically sealed units. Heads are at 15° angles.

No.	Openings	Length
2612	3/8" & 1/2"	4-3/4"
2618	7/16" & 9/16"	5"

Spinner Wrenches



Designed especially for reaching small nuts that can be handled only with exceptionally small sockets. Made like a screw driver with a hexagon socket on the end that grips the nut firmly. Shanks and sockets have plated finish. The composition handles are fluted for a firm grip.

Hexagon Opening	Overall Length	Drill Depth
3/16"	6"	2-1/4"
5/16"	6"	2-1/4" 2-1/4"
11/32"	6" 6"	2-1/4"
7/16"	7-1/8"	5"
	Opening 3/16" 1/4" 5/16" 11/32" 3/8"	Opening Length 3/16" 6" 1/4" 6" 5/16" 6" 11/32" 6" 3/8" 6" 7/16" 7-1/8"

Reversible Ratchet No. RF45



This ratchet is primarily designed for refrigeration work. It has an easy action, is light in weight, has trim lines, is strong and can be instantly reversed by a touch of the thumb. The ratchet opening is 1/4" square, the openings in the handle are 3/16" and 1/2" hexagon socket. The tool is drop forged and plated. Overall length 6".

Non-Reversible Ratchet



This type of ratchet, made with four different size ratchet openings, is forged of Bonaloy Steel with plated finish. The ratchet is fully enclosed to keep out all dust and dirt.

They are specially adapted to work on small refrigerant cylinders, shut-off and reducing valves, compressors, motors, etc.

No.	Ratchet Opening Square	Handle Openings Square	Handle Opening Hexagon	Length
RF21	3/16"	3/16" & 1/4"	1/2"	6"
RF22	1/4"	3/16" & 1/4"	1/2"	6"
RF23	5/16"	3/16" & 5/16"	1/2"	6"
RF25	3/8"	3/16" & 1/4"	1/2"	6"

Socket Wrench for Fedders Needle Seat Assembly



This "T" handle socket wrench is drop-forged of selected steel, carefully heat-treated and has plated finish. It is designed especially for inserting and removing Fedders cartridge type needle seat assembly. Has single hexagon opening.

No.	Opening	Diameter of Head	Length	100
RF 57	7/16"	19/32"	4-7/8"	

GRAY-BONNEY REFRIGERATION TOOLS

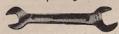
"S" Type Flare Nut Wrenches



These wrenches are for those who prefer the open end to the box type wrench in making flare nut adjust-ments. They are drop-forged of selected steel, carefully heat-treated and have plated finish.

No.	Openings	S.A.E. Flare Size	Length
72A	3/4" & 1"	3/16", 1/4", 5/16" & 7/16", 1/2"	5-1/2"
73A	7/8" & 1-1/8"	3/8" & 5/8"	6-1/8"

Switch Adjusting Wrench



Forged of Bonaloy Steel with plated finish, this wrench is designed especially for switch adjustments on the "W" line of Frigidaire cabinet up to and including 1933. This wrench is exceptionally thin for working in close quarters and has panelled handle. Openings are at 15" angle.

No.	Openings	Length	Thickness of Head
H18S	7/16" & 9/16"	4"	1/8"

Open End Wrench for Superior Packless Valve



A single head service wrench forged of Bonaloy Steel, chrome-plated and with polished head designed especially to fit the hexagon on the auxiliary body of the Superior Diaphragm Packless Valve.

No.	Opening	Length	Thickness of Head
1964	2"	12-1/4"	5/16"

Right Angle Wrenches



Openings in the most necessary sizes for refrigera-tion service work. Drop-forged of Bonaloy Steel, fully chrome-plated and with polished heads.

No.	Size Openings	Length	Thickness of Heads
2723	3/8" & 7/16"	4-1/4"	7/32"
2725B 2729RA	1/2" & 9/16" 5/8" & 3/4"	5-1/2" 7-1/2"	15/64" 5/16"

Packing Gland Nut Sockets

"T" Handle Type Not guaranteed

No.	Prong	Prong	Inside	Outside	Overall
	Depth	Width	Diameter	Diameter	Length
RF17 RF18	3/8" 3/8"	764"	21/4"	15/2" 3/6"	2"

1/4" Male Drive

Designed for use with No. RF22 and No. RF45 ratchets or any ratchet handle having 1/4" opening. Not guaranteed.

No.	Prong	Prong	Inside	Outside	Overall
	Depth	Width	Diameter	Diameter	Length
RF6 RF16 RF71 RF72 RF73		1/8/2/8/2/8/2/8/2/8/2/8/2/8/2/8/2/8/2/8/	3/8" 21/64" 21/64" 3/8"	5/8/" 1/2/16/" 1/4/16/" 1/4/8/"	138" 134" 158" 1116" 1116"

Valve Stem Sockets "T" Handle Type

27	Size	Outside Diameter		Length
No.	Square Opening	Nose	Shank	Length
RF10 RF11 RF12	36" 16"	27.61" 27.61" 164"	14" 14" 15"	178"
RF13 RF14	%" 3%"	%6" 5%"	9/6" 3/8"	11%"

1/4" Male Drive

For use with any ratchet handle having 1/4" opening and Gray-Bonney ratchets Nos. RF22, and RF45.

	Size	Outside Diameter		7	
No.	Square Opening	Nose	Shank	Length	
RF2 RF5	3/6"	27/51"	1/4"	136"	
RF3	14"	1/2"	1/2"	13/8"	
RF4	\$ /6 M	260	2/4"	136"	

Kerotest Valve Packing Nut Socket 1/4" Male Drive

These sockets have been specially designed for

	Obround Opening		0.4.13.	Townsh
No.	Length	Width	Outside Diameter	Length
RF67	1/2"	3/8"	5/8"	19/6"

Ratchet Plug Adaptors

For use with Nos. RF22 and RF45 ratchets.

rive End
1/4" 9/32"

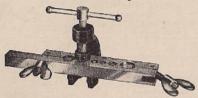






GRAY-BONNEY MISCELLANEOUS TOOLS

No. RF46 Flaring Tool



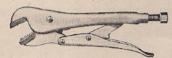
A simple, fast, efficient tool for quickly and accurately flaring copper and other tubing having 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" 0.D. Oversize wing nuts securely lock tubing in holes threaded to prevent slipping. Open side flaring yoke attaches instantly to flaring bars. The flaring head is of the self-centering type, assuring easy, perfect flaring. A fine tool, reasonably priced for working in close quarters on gas lines, etc. Net weight 2-1/4 lbs.

No. RF59 Tube Cutter



A compact, efficient tube cutter for all tubing from 1/8" to 1" O.D. Body is an alloy die casting. Wafer-tapered, hardened cutting blade makes cutting easy and with practically no burr. The slide-lock safety reamer opens instantly and protects the hands when not in use. It may be Bafely carried in your pocket. Net weight 1/2 lb.

Vise-Grip Pliers



This type tool is actually an adjustable end wrench, super plier, vise, clamp, locking wrench, pipe wrench, toggle press—all in one. Holds parts for drilling, welding, etc. Never slips and ideal for crimping, bending, forming or twisting. Built to lock to the job with hands removed. Made of special alloy steel and heat treated for utmost toughness.

Standard Type as Illustrated

VG7 7" long—Opens up to 1-1/8" VG10 10" long—Opens up to 1-1/4"

Thin Nose Type with Side Cutter

7W 7" long—Opens up to 1-5/8" 10W 10" long—Opens up to 1-7/8"

Tube Benders



Ideal for bending copper and other tubing by hand to any desired shape without collapsing the tube. Made of special, oil-hardened spring steel, cadmium plated. The belled end assures ease in removing the tubing after the bend has been made.

For Size Tubing
1.11
1/4
5/16"
3/8"
7/16"
1/9"
F/0"

No. RF66 Tube Bender Set

Every service man should have a complete set of tube benders in his kit. The set consists of one each of the above sizes.

No. 9 Vise - Grip Welding Clamp



Now, fender-welding is a quick, easy, one-man job! Other welding jobs are equally simplified. Merely place the U-shape jaws over the split edges to be welded . . close the toggle-lever . this LOCKS the jaws to the work with a solid grip. The edges to be welded are brought into alignment . and HELD securely . . freeing both hands for handling the welding equipment.

Deep throated U-shape jaws provide perfect visibility and working space for the welding operation.

End-screw provides quick jaw-adjustment up to 1-5/8", making this clamp ideal for all kinds of welding, soldering and riveting tin work, sheet metal work, etc., and for holding steel rods, bars, nipes, etc.

Jaw thickness 2-3/4". Length 9".

GRAY-BONNEY TOOL BOXES



The No. SR tool box is built to give you a big tool box at low cost. Heavy gauge steel with spot welded construction and with the convenience of a separate lote tray. This is real box value and large enough to hold the average mechanic's hand tool kit. Furnished with large carrying handle, padlock hasp, and finished in blue baked enamel. Measures inside: 21' × 7-1/2" x 8-1/8".



This job box is for the junior mechanic or apprentice who is beginning to build up his set. It is a little smaller than the No. SB, but is built of the same heavy gauge steel and spot welded construction. Equipped with lift out socket tray, strong carrying handle, padlock hasp. Phinshed in blue baked enamel. Measures inside 21" x 7/ x 6".

Mechanics' Tool Boxes

Steel boxes as used in socket sets make excellent tool chests. Their sturdy steel construction makes them ideal for automotive mechanics, millwrights and plant engineers. Listed below is a complete assortment of boxes of this type. All are finished in attractive baked enamel.

No.	Length	Width	Depth
80B	21"	7"	6"
82B	22-1/2"	5-3/8"	3-5/8"
461B	20-1/4"	6-1/2"	1-11/16"
1400B	15-7/8"	3-3/8"	1-3/4"
TG20B	17-1/4"	5"	1"
SB	21"	7-1/2"	8-1/8"

Duplex Tool Boxes

The Gray-Bonney Duplex "all steel" tool boxes have rugged construction and ample strength, yet by a slight pressure on the handle, the box opens and the tools are ready to lift out.

No. 100 Series

High quality boxes, having two trays on each side of handle. Three sizes available.



No. 114B—14" x 8" x 7-3/4"—Weight 9 lbs, No. 119B—19" x 8" x 7-3/4"—Weight 17-1/2 lbs, No. 121B—21" x 8" x 7-3/4"—Weight 20 lbs,

No. 500 Series

Specially designed for the mechanic having a limited amount of tools to carry around.



No. 514B—14" x 8" x 6"—Weight 7 lbs. No. 517B—17" x 8" x 7"—Weight 11 lbs. No. 521B—21" x 8" x 6"—Weight 16 lbs.

MSB Chest Mounted on MSC Roller Cabinet

Safeguards Tool Investment Rolls Right Up to the Job

Reflects efficiency and promotes Customer Confidence!

DIMENSIONS

CHEST ONLY Height - 11%" Width - 12%" Length - 24%"

COMPLETE Height - 89 16" Width - 12 14" Length - 24 14"

WEIGHT Roller Cabinet Complete (less tools and crate) 110 lbs.



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LT16	4	RF59 56	TH20 4 TH22 4	X72	WH188 50
	4	RF61 56	TH24 4	X7618	WL154 50
LT22	4	RF62 56	TR1 27	X78 18	WL155 50 WL156 50
LT24	4	RF63 56	TR2 27	X80 18 X82 18	WL157 50
LT26	4	RF65 56	TR6 43	X84	WL158 50 WL159 50
LTS12 *	4	RF66 56 RF67 * 55	TR8	X88 18 X94 18	WL160 50
	4	RF67 * 55	TS4	X96 18	WL161 50
LISIO	4	RF72 * 55	TS7	X100 18	WL162 50

CHART OF WRENCH AND SOCKET OPENINGS AND SIZES OF BOLTS AND NUTS THEY FIT

Wrench Opening	American Standard Reg. Bolts	American Standard Reg. Nuts: Size Bolts	Amer. Std. Heavy Nuts (U.S.S.); Size Bolts	Amer. Std. Light Nuts (S.A.E.); Jam Nuts, Castle Nuts and Slotted Nuts; Size Bolts	Cap Screws	Set Screws	Machine Screw Nuts and Stove Bolt Nuts	Wrench Opening
5/32 3/16						*******	No. 0 & No. 1 No. 2 & No. 3	5/32
1/4						1/4	No. 2 & No. 3	3/16
5/16		in in the same				5/16	No. 5 & No. 6	5/16
11/32							No. 8	11/32
3/8	1/4		100000000000000000000000000000000000000	***************************************		3/8	No. 10	3/8
7/16	5/16	1/4	1/4	1/4 5/16	5/16	7/16	No. 12 & No. 14	7/16
9/16	3/8	5/16	1/1	3/8	3/8	9/16	5/16	9/16
19/32	and an annual to		5/16	The section of the section	52,0			19/32
5/8	7/16	3/8		7/16	7/16	5/8	3/8	5/8
3/4	1/2	7/16	3/8	1/2		and the same		11/16
25/32		7/10	7/16	1/2	1/2	3/4		25-32
13/16	***************************************	1/2		***************************************	9/16			13/16
7/8	9/16	9/16	1/2	9/16	5/8	7/8		7/8
15/16	5/8	5/8	9/16	5/8			adaman merene	15/16
1-1/16	and the second	0/0	5/8	3/4	3/4	1	211110 10000000000000000000000000000000	1-1/16
1-1/8	3/4	3/4	570		7/8	1-1/8		1-1/8
1-1/4			3/4	7/8		1-1/4		1-1/4
1-5/16	7/8	-7/8			1			1-5/16
1-3/8	and a country of the	annommer of the	7/8		Marian Company	1-3/8		1-3/8
1-1/2	1	1	110		1-1/8	1-1/2		1-7/16
1-5/8			1	1-1/8	1-1/0	1-1/2		1-5/8
1-11/16	1-1/8	1-1/8			1-1/4	State Stores		1-11/16
1-13/16 1-7/8	F-1/4	1-1/4	1-1/8	1-1/4		*****************		1-13/16
2	1-1/-	1-1/4	1-1/4	1-3/8			3.4.0	1-7/8
2-1/16	1-3/8	1-3/8	1-1/4					2-1/16
2-3/16			1-3/8	1-1/2	***************************************	******************		2-3/16
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3-3/8	2-1/4	2-1/4				**************		
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